

System design description

For administrative and user platform



VG TU

Mobile Shopper Guide

VERSION: 1

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Contents

Section 1. Introduction	1
1.1 Purpose	1
1.2 Scope	1
Section 2. System Architecture	2
2.1 Architectural Design Approach	2
2.2 Architecture Design.....	2
Section 3. Data Dictionary.....	1
Section 4. System Domain Design	1
4.1 System Domain Chart.....	1
4.2 System Domains	1
Section 5. Data Design	4
5.1 Persistent/Static Data	4
5.2 Dynamic Data.....	5
Section 6. User Interface Design	6
6.1 User Interface Design Overview	6
6.2 User Interface Navigation Hierarchy.....	7
6.3 User Function Categories	11
Section 7. Requirements Traceability Matrix	19
Section 8. Glossary	20
Section 9. Revision History	21

Section 1. Introduction

1.1 Purpose

The purpose of this system design description document is to capture the implementation details for a system's "Mobile Shopper Guide" administrative and user platform. This document is intended to use mainly by developers or testers.

1.2 Scope

Administrative and user portal will consist of web pages, which will be contained one web address. It will be possibility to login into the page as administrator or simple user and to add, modify or delete corresponding information. All system will be running under Apache server. All data will be stored in MSSQL DB. The whole portal will consist of the following components:

- § Simple web page – for non authorized users
- § Web page for administrator – for authorized administrator of the portal
- § Web page for a simple user – for authorized user of the portal

Simple web page should include short description about the page and login possibility as administrator or simple user. It should contain a guest book too.

Web page for administrator should have possibility to create administrative or simple user, also modify them and delete them. Next it should have ability to add, modify delete shops or comments.

Web page for a simple user should have functionality, which will allow adding, modifying or deleting its own users, shops or comments.

Section 2. System Architecture

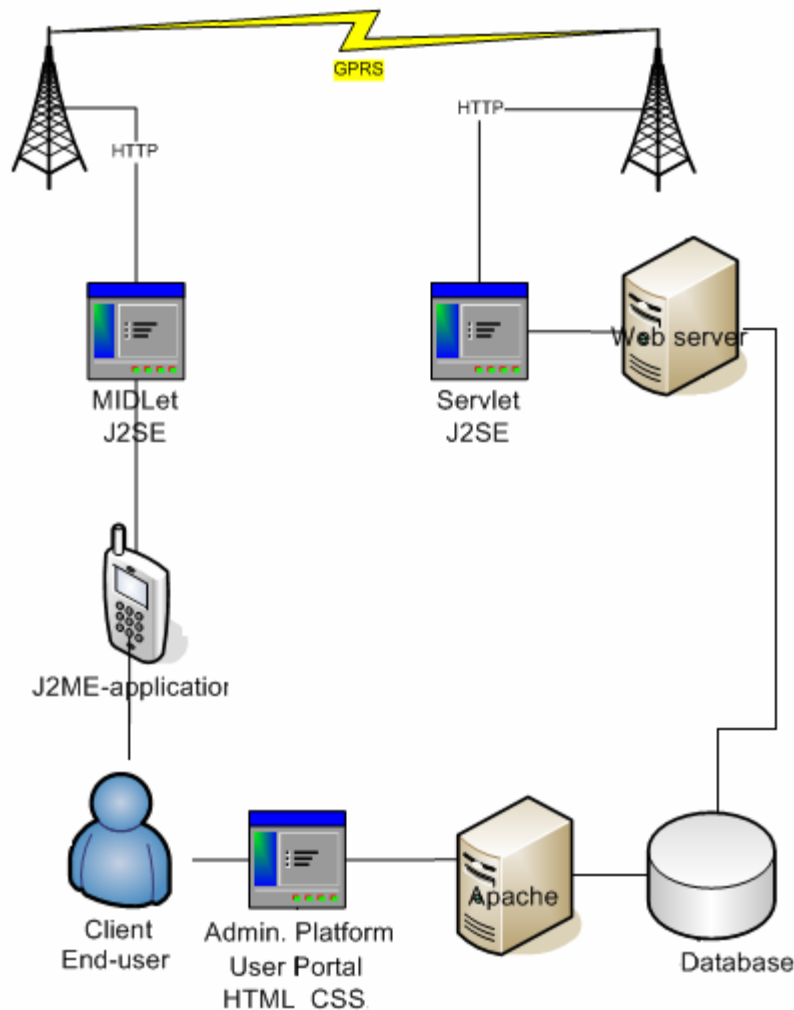
2.1 Architectural Design Approach

Mainly two programming technology will be used. Java for the map displaying information and Perl programming language mixed with html for the creation of the dynamic html. All these web pages will be stored in Apache web server. MSSQL database engine will be used for data storing and SQL for data retrieval.

2.2 Architecture Design

The whole system is depicted in the picture below, but this document concentrates only on administrative and user portal, so detail description only about this part will be provided.

Administrative and user portal of the system mainly consists of database server, Apache server and application part. In Apache server all web pages should be stored. Using Apache the connection with the DB should be established. The DB server should be on other computer then Apache server. Between them secure connection should be established.



Section 3. Data Dictionary

Entity name	Field name	definition	type	storage format	scale	bounds	display format	entity/fill Mandatory	default value	modified by	constrains
SGid	SG ID	Log in ID	character	varchar	-	1÷50	Any	required	-	User; administrator	-
SGOwner	SG ID Owner's Name:	SG ID Owner's Name	character	varchar	-	1÷50	Any	required	-	User; administrator	10 symbols and consist only from letters!
Password	Password	Password of login ID	character	varchar	-	1÷20	Any	required	-	User; administrator	-
-	Re-type password	Re-type of password	character	varchar	-	1÷20	Any	required	-	User; administrator	-
Phone	Phone number	Phone number of SG owner	character	char	-	1÷15	Any	optional	-	User; administrator	-
Mail	e-mail:	e-mail of SG owner	character	varchar	-	1÷40	Any	required	-	User; administrator	-

PasswordQuestion	Question for remember the password: Bottom of Form	the question which may be answered when user forgot the password	character	varchar	-	1÷100	What is your pet name? What is you best friend name? What is you mother Family Name? What is your brother name?	optional	What is you mother Family Name?	User; administrator	dropdown
PassworAnser	The answer: Bottom of Form	the answer which may be answered when user forgot the password	character	varchar	-	1÷50	Any	required	-	User; administrator	-
-	Term of Service: Bottom of Form	described terms of service	character	varchar	-	-	Any	required	I agree to be good user and do not copy or do not hack this page ;)	User; administrator	read only
IsLocked	Is account locked	shows whether the account is locked	number	int	-	-	True; False	required	-	administrator	read only

CreateDate	<u>Account creation date</u>	shows the account's creation date	datetime	datetime	-	-	<u>year-month-day time</u>	required	-	administrator	read only
LastLoginDate	<u>Last login date</u>	shows user's last login date	datetime	datetime	-	-	<u>year-month-day time</u>	required	-	administrator	read only
LastPasswordChangeDate	<u>Last password change date</u>	shows user's last password change date	datetime	datetime	-	-	<u>year-month-day time</u>	required	-	administrator	read only
LastLockoutDate	<u>Last lockout date</u>	shows user's last time when his account was locked	datetime	datetime	-	-	<u>year-month-day time</u>	required	-	administrator	read only
CommentAdmin	<u>Comments</u>	shows administrator comments about the account	character	varchar	-	1÷400	any	optional	-	administrator	-
ShopName	<u>Shop Name:/shop:</u>	Shop's name	character	varchar	-	1÷50	any	required	-	User; administrator	-
Address	<u>Address:</u>	Shop's adress	character	varchar	-	1÷50	any	optional	-	User; administrator	-
OpeningHours	<u>Opening hours:</u>	Shop's opening hours	character	varchar	-	1÷30	start time - end time	optional	-	User; administrator	-
ContactPerson	<u>Contact person:</u>	Shop's contact person	character	varchar	-	1÷50	any	optional	-	User; administrator	-
Phone	<u>Phone:</u>	Shop's phone	character	varchar	-	1÷15	any	optional	-	User; administrator	-

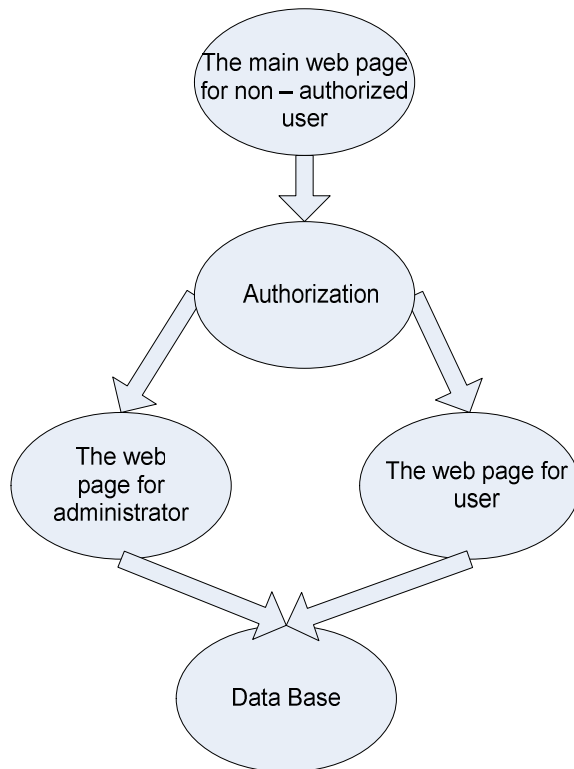
Mail	<u>E-mail:</u>	Shop's e-mail	character	varchar	-	1÷40	any	optional	-	User; administrator	-
X	X	coordinates	number	int	1 - 2000	-	any	required	-	User; administrator	only numbers
Y	Y	coordinates	numner	int	1 - 2000	-	any	required	-	User; administrator	only numbers
Comments	<u>Comments:</u>	comments which will be displayed in mobile phone	character	varchar	-	1÷400	<u>year-month-day</u>	optional	-	User; administrator	-
StartDate	<u>Start Date:</u>	comments displaying in the map start date	datetime	datetime	-	-	<u>year-month-day</u>	required	2008-01-01	User; administrator	-
StopDate	<u>Stop Date:</u>	comments displaying in the map start date	datetime	datetime	-	-	<u>year-month-day</u>	required	2008-01-01	User; administrator	-
Mail	<u>e-mail:</u>	An address of a person who is writing in the guest book	character	varchar	-	1÷40	any	optional	-	Unauthorized user	-
Comment	-	Comment in the guest book	character	varchar	-	1÷1000	any	optional	-	Unauthorized user	-
Date	-	This field is used to track when comment in guest book was entered	date	date	-	-	Any	optional	-	DB user only	-

UserId	-	This field is used to find a user in DB	int	int	-	-	Any	required	-	DB user only	unique
RoleId	-	This field is used to find a role in DB	int	int	-	-	Any	required	-	DB user only	unique
RoleName	Role	This field will display available roles for a administrator	character	varchar	-	1÷50	Administrator; user	required	user	Administrator	-
Description	-	Description of the role	character	varchar	-	1÷100	Any	optional	-	DB user only	-
ShopId	-	This field is used to find a shop in DB	int	int	-	-	Any	required	-	DB user only	unique
CommentId	-	This field is used to find a comment in DB	int	int	-	-	Any	required	-	DB user only	unique
UpdateTime	-	This field is used to see when comment is updated	date	date	-	-	Any	optional	-	DB user only	-
Id	-	This field is used to find a comment in the guest book in DB	int	int	-	-	Any	required	-	DB user only	unique
SessionId	-	This field is used to find a session in DB	int	int	-	-	Any	required	-	DB user only	unique

Section 4. System Domain Design

4.1 System Domain Chart

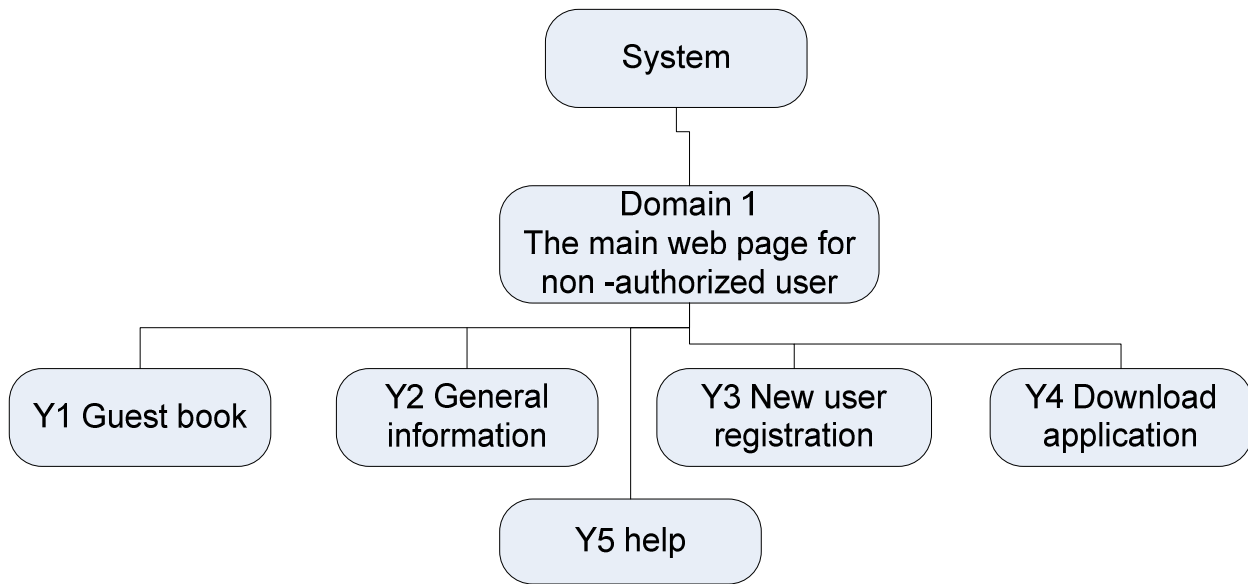
System domain contains 5 elements: The main web page for non – authorized user; authorization mechanism, the web page for administrator; the web page for user; data base;



4.2 System Domains

4.2.1 The main web page for non – authorized user Domain 1

A domain hierarchy chart is depicted below. Domain 1 consists of five components. They are the following: guest book, general information, new user registration, download application, help. Guest book contains add comment task. General information contains just information about the web page and about the system generally. New user registration contains validation system, clear, add new user and cancel tasks. Download application components contains download jar and jad tasks. Help component just has help information.



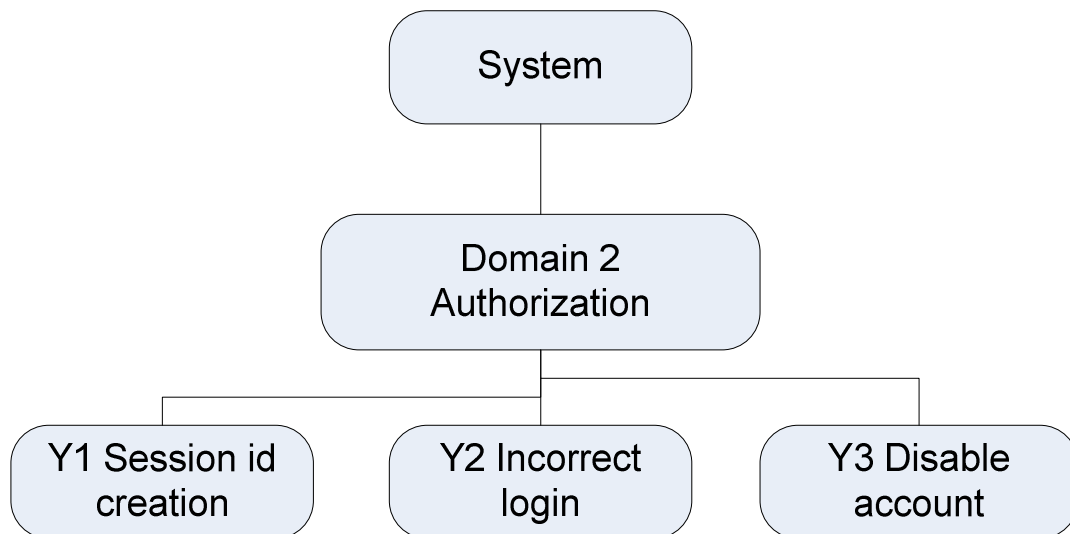
4.2.1.1 Components of Domain 1

Components and tasks are described in table below

Domain	The main web page for non – authorized user								
Components	<i>Guest Book</i>	<i>General information</i>		<i>New user registration</i>			<i>download application</i>		<i>help</i>
Tasks	add comment task	information about the web page	General system information	validation system	clear	add new user	download jar	download jad	help information
Description	User after populating needed information user can add comment by clicking add	Contains all information about the web page and it is displayed when user wants that	Contains all information about the system and it is displayed when user wants that	It is validated when user enters information. If information is incorrect error message is displayed	All entered information is cleared when user clicks on the button	All information is send to store in DB	Download process should be started when it is clicked on it. Jar file should be downloaded	Download process should be started when it is clicked on it. Jad file should be downloaded	help information about the page should be displayed when user wants that.

4.2.2 Authorization Domain 2

A domain hierarchy chart is depicted below. Domain 2 consists of three components. They are the following: Session id creation; incorrect login; disable account. Session id creation contains password verification task, session id creation. Incorrect login has redirection tasks, and account disable number change task. Disable account has one task, which disables an account.



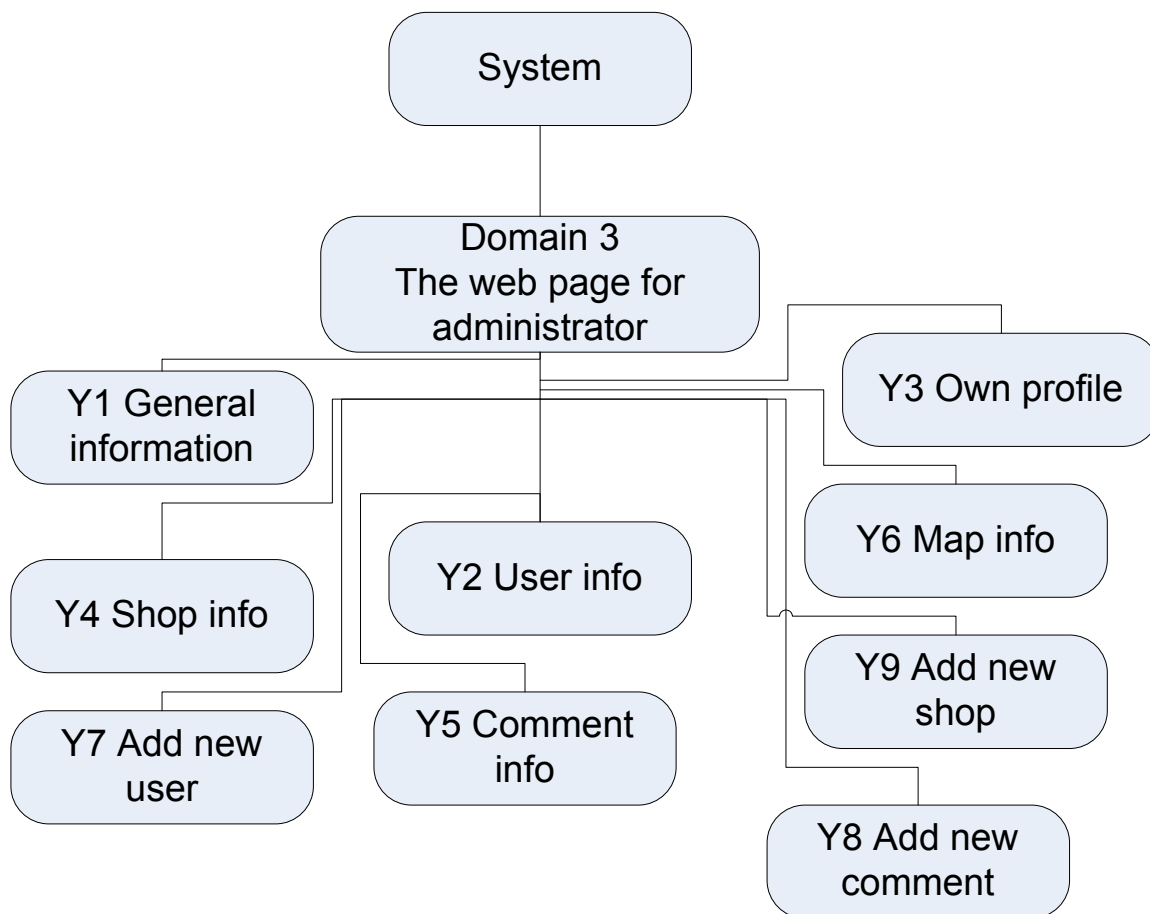
4.2.2.1 Components of Domain 2

Components and tasks are described in table below

Domain	Authorization				
Components	Session Id creation		Incorrect login		Disable account
Tasks	Password verification	Session id creation	Redirection tasks	Account disable number change task	Disable an account.
Description	After login button is clicked verify that password is correctly entered.	If verification is passed session id is generated for the user	If password was wrongly entered redirect the user to the wrong login page	If user enters 3 times incorrect password account should be disabled. After each incorrect enter of password number should be increased.	If 3 times password was entered incorrectly, set value to disable account to true.

4.2.3 The web page for administrator Domain 3

A domain hierarchy chart is depicted below. Domain 3 consists of nine components. They are the following: General information, shop info, add new user, user info, comment info, own profile, map info, add new shop, add new comment. General information contains all information about the administration part of web page. Shop info component has option to delete shop, to view shop info function. Add new user component has tasks to add new user or to cancel task. User info has delete user task and statistics and view user functions. Comment info has delete comment task and update comment function. Own profile has view own profile task and update profile task. Map info has enlarge area function and add point function. Add new shop component has add new shop and cancel shop tasks. Add new comment component has add new comment and cancel comment tasks.



4.2.3.1 Components of Domain 3

Components and tasks are described in table below

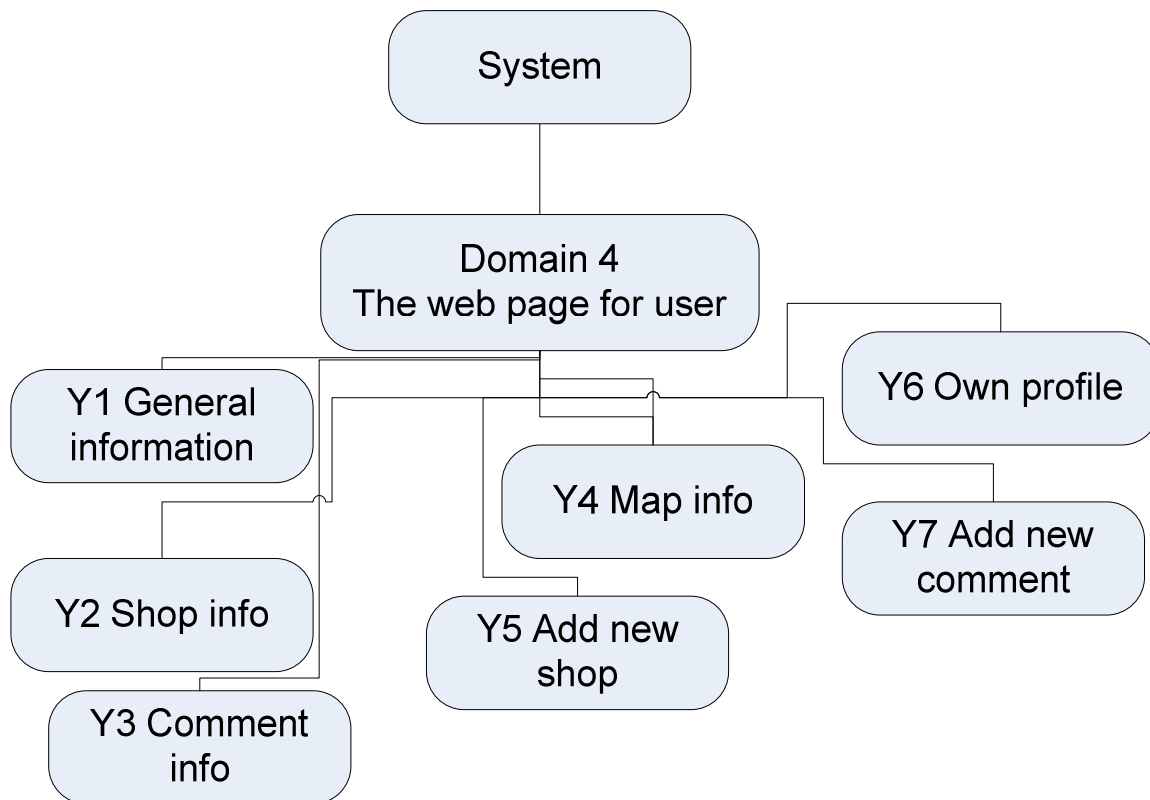
Domain	The web page for administrator									
Components	comment info		own profile		map info		add new shop		add new comment	
Tasks	delete comment	update comment	view own profile	update profile	enlarge area	add point	add new shop	cancel shop	add new comment	cancel comment
Description	User selects to delete some comment	User selects to update some concrete comment	There exist two tasks to view his own profile or to cancel updates and navigate to previous page	After entering a password there is a possibility to update his own profile	This function contains two tasks to view map and to enlarge selected area.	After enlarging selected area, user has a possibility to view coordinates of the point by clicking with the mouse on the selected point	User can add a shop with appropriate information by selecting to add a shop button	User can cancel the creation of the new shop by selecting cancel button	User can add a comment to the selected shop	User can cancel adding comment to the appropriate shop

Domain	The web page for administrator							
Components	General information	Shop info		add new user		user info		
Tasks	All information about the web page	delete shop	view shop	add new user	cancel	view user	delete user	statistics

Description	It displays an information for a user about the web page	User can select to delete selected shop	User must have possibility to view selected shop, or to cancel viewing	Administrative user must have possibility to add a new user of user or administrative role	Cancel creation of a new user	An administrative user must have a possibility to view other user's information or to cancel viewing it.	An administrative user should have possibility to delete other unused user	Administrative user should have possibility to view statistics of the other users; to add any comment or to cancel viewing statistics
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4.2.4 The web page for user Domain 4

A domain hierarchy chart is depicted below. Domain 4 consists of seven components. They are the following: General information, shop info, comment info, map info, add new shop, own profile, add new comment. General information just displays information about the page; shop info function has view shop info task and cancel shop info task. Comment info contains two tasks, one task is to view comment, other to cancel viewing. Map info has to enlarge area function and add point function. Add new shop component has to add new shop and cancel shop tasks. Add new comment component has add new comment and cancel comment tasks. Own profile has view own profile task and update profile task.



4.2.4.1 Components of Domain 4

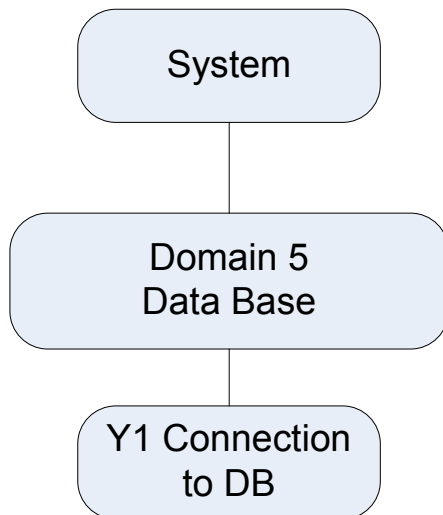
Components and tasks are described in table below

Domain	The web page for administrator							
Component	own profile		map info		add new shop		add new comment	
Tasks	view own profile	update profile	enlarge area	add point	add new shop	cancel shop	add new comment	cancel comment
Description	There exist two tasks to view his own profile or to cancel updates and navigate to previous page	After entering a password of an account there is a possibility to update his own profile	This function contains two tasks to view map and to enlarge selected area.	After enlarging selected area, user has a possibility to view coordinates of the point by clicking with the mouse on the selected point	User can add a shop with appropriate information by selecting to add a shop button	User can cancel the creation of the new shop by selecting to cancel the creation	User can add a comment to the selected shop	User can cancel adding comment to the appropriate shop

Domain	The web page for administrator						
Component	General information	Shop info			comment info		
Tasks	All information about the web page	delete shop	cancel shop updating	view shop	delete comment	update comment	cancel updating
Description	It displays an information for a user about the web page	User can select to delete selected shop	this task cancels shop updating	User must have possibility to view selected shop, or to cancel viewing of this shop	User selects to delete some comment	User selects to update some concrete comment	this task cancels updating comment

4.2.5 Data Base Domain 5

A domain hierarchy chart is depicted below. Domain 5 consists of one component. It is connection to DB. It has only one task SQL execution.



4.2.5.1 Components of Domain 5

Components and tasks are described in table below

Domain	Data Base	
Components	Connection to DB	
Tasks	Connection to DB	SQL execution
Description	Take login information and connect to the DB	Take SQL and execute it.

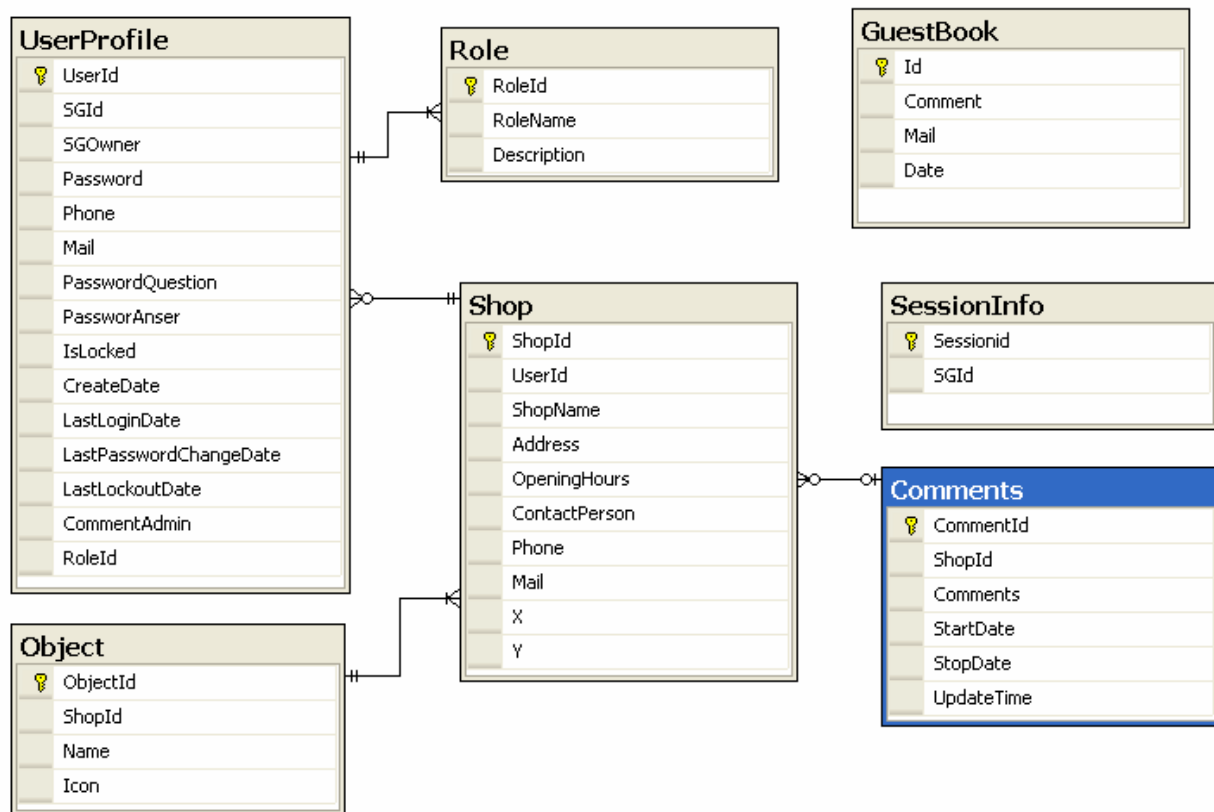
Section 5. Data Design

In this section a description of the data base, used by the system will be provided.

5.1 Persistent/Static Data

5.1.1 Persistent/Static Data Store

All data of the system will be stored in the data base, which picture is showed bellow.



sists of 7 tables. They are the following: Shop, Objects, UserProfile, role, guestbook, sessionInfor, comments. Table *Shop* represents data related to shops that belongs to certain company. Attributes of shops are the following: Shop name, relevant contact information and position of the shop in the map, by X and Y coordinates. Table *Comments* is related to a particular shop, which owns information about advertising a shop (attribute Comments), that can be left/ updated by a registered client. It also possesses start and stop dates related with a particular comment. The attribute UpdateTime (for the administrators) indicates the latest update of a certain comment.

Table *Object* contains data of objects on particular shop, like shoes, clothes, services, etc. So this table contains object name, icon, shop id and object id. In *user profile* table gathers all information needed for a user's account creation. So it includes SG account's name, password, role id, mail, phone etc. *Role* table contains all information about the roles in the system. There is a possibility to create 2 roles: administrator

and user. *Guest book* table gathers information of the comments entered in the guest book. It has time, e-mail and the whole comment. And the last table is *SessionInfo*. In this table all information about a session for a concrete user is stored when a user login into the system.

Talking about the relationships, a single user (company) may own several shops, which is represented by one-to-many relationship. One shop in turn might have many comments which can be updated. One user must have only one role, but a role can be assigned to many users. An object table is unused in the administrative and user portal, but it is used in mobile platform, so information about this table should be found in mobile platform documentation.

SessionInfo and *guestbook* tables do not have any relationships, because all information about the guest book or session is stored only in one table.

5.2 Dynamic Data

All dynamic data are stored in the *SessionInfo* table. This data is created when user logins in the system and is saved temporally in the DB, when user close the system or logouts so this information in the table is destroyed . The purpose of the data is to track user's session.

Section 6. User Interface Design

6.1 User Interface Design Overview

§ User interface should have the following color schema:

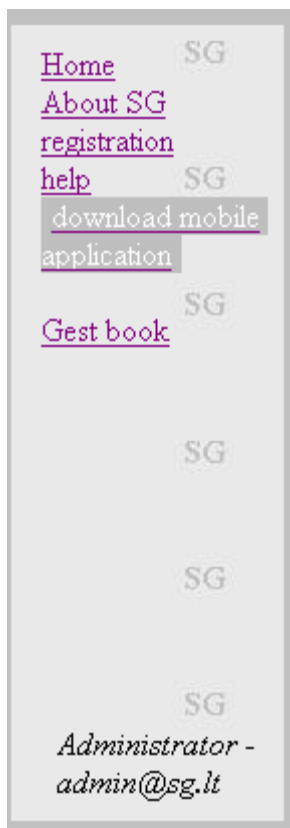
The whole page should be dark grey. Boxes in which information is displayed should be light grey. All fields and drop downs should be white. All required fields should have a red star next to them.

§ Text font:

All letters should be 12pt Arial.

§ Navigation pain

In the left side on each web site should be navigation pain. See picture below.



§ Logo

Each page should have SG logo "Shopper guide" heading. See picture below.



6.2 User Interface Navigation Hierarchy

This is the diagram, which illustrates navigation of the user through the web pages. In the picture below the colors of the diagram does not mean anything. They are just for better viewing of the arrows direction. It is a rough picture. The extensions of the files may be different then it is in picture.

The navigation of the pages starts when user enters correct address in the web browser. He is navigated to the *home.html* web page. From home web page user can navigate to the *about_sg.html*, *register.html*, *help.html*, *download.html*, *guest_book.html*. Also from this page user can log in into some account, so he will be navigated to the *main_user.html* web page or user can select a hire link, which will navigate him to the *forgot.html* web page.

From *about_sg.html* user can navigate to the *home.html*, *register.html*, *help.html*, *download.html*, *guest_book.html* or he can log in into some account, so he will be navigated to the *main_user.html* web page or user can select a hire link, which will navigate him to the *forgot.html* web page.

From *register.html* web page user can navigate back to the previous page

From *help.html* web page user can navigate to the *home.html*, *about_sg.html*, *register.html*, *download.html*, *guest_book.html* or he can log in into some account, so he will be navigated to the *main_user.html* web page or user can select a hire link, which will navigate him to the *forgot.html* web page.

From *download.html* web page user can navigate to the *home.html*, *about_sg.html*, *register.html*, *help.html*, *guest_book.html* or he can log in into some account, so he will be navigated to the *main_user.html* web page or user can select a hire link, which will navigate him to the *forgot.html* web page.

From *guest_book.html* web page user can navigate to the *home.html*, *about_sg.html*, *register.html*, *help.html*, *download.html*.

From *forgot.html* user can navigate back to the home page.

To the *index2.html* page can not be entered directly. It can be accessed only if user enters incorrect password. From this web page user can navigate back to the home page or to the *blocked.html* page.

The *blocked.html* page is accessed only if user's account becomes blocked. From this web page user can home.html only.

The *logout.html* is accessed then user logouts from his account. From this web page user can navigate to the home.html.

The *main_user.html* web page is the first web page for login user. In this page user should be navigated to different pages depending on the role which user has. If user is an administrator so he can access in admin folder existing the following web pages: *user_info.html*, *user_profile.html*, *shop_info.html*, *comment_info.html*, *map_info.html*, *new_user.html*, *add_comment_info.html*, *add_shop_info.html* or user can do a logout and navigate to the *logout.html*, which is in the same directory. If user was a simple user

role so it allowed for him to navigate only to *add_comment_info.html*, *add_shop_info.html*, *update_comment_info.html*, *update_shop_info.html* or user can logout from the page and navigate to the *logout.html*.

In admin folder only for an administrator should be accessible *statistics_info.html* web page. This web page can be accessed from *user_profile.html* and it can be navigated back to this web page.

The *some_user_info.html* web page can be accessible only for an administrator can be accessed only from *user_profile.html* can also it can be navigated to the same page only.

The *update_comment_info.html* web page can be accessible only for an administrator can be accessed only from *comment_info.html* can also it can be navigated to the same page only.

The *update_user_info.html* web page can be accessible only for an administrator can be accessed only from *user_info.html* can also it can be navigated to the same page only.

The *update_shop_info.html* web page can be accessible only for an administrator can be accessed only from *shop_info.html* can also it can be navigated to the same page only.

The *user_info.html* which is stored in the admin folder can be accessed only by administrator. From this web page it is possible to navigate to the *main_user.html*, *user_profile.html*, *shop_info.html*, *comment_info.html*, *map_info.html*, *new_user.html*, *add_comment_info.html*, *add_shop_info.html*, *update_user_info.html*. All these files are stored in the admin folder.

The *user_profile.html* which is stored in the admin folder can be accessed only by administrator. From this web page it is possible to navigate to the *main_user.html*, *user_info.html*, *shop_info.html*, *comment_info.html*, *map_info.html*, *new_user.html*, *add_comment_info.html*, *add_shop_info.html*. All these files are stored in the admin folder. Also it is possible to navigate to the *statistics_info.html* and *some_user_info.html*.

The *shop_info.html* which is stored in the admin folder can be accessed only by administrator. From this web page it is possible to navigate to the *main_user.html*, *user_info.html*, *user_profile.html*, *comment_info.html*, *map_info.html*, *new_user.html*, *add_comment_info.html*, *add_shop_info.html*. All these files are stored in the admin folder. Also it is possible to navigate to the *update_shop_info.html*.

The *comment_info.html* which is stored in the admin folder can be accessed only by administrator. From this web page it is possible to navigate to the *main_user.html*, *user_info.html*, *user_profile.html*, *shop_info.html*, *map_info.html*, *new_user.html*, *add_comment_info.html*, *add_shop_info.html*. All these files are stored in the admin folder. Also it is possible to navigate to the *update_comment_info.html*.

The *map_info.html* which is stored in the admin folder can be accessed only by administrator. From this web page it is possible to only return back to the previous page.

The *new_user.html* which is stored in the admin folder can be accessed only by administrator. From this web page it is possible to only return back to the previous page.

The *add_comment_info.html* which is stored in the admin folder can be accessed only by administrator. From this web page it is possible to only return back to the previous page.

The *add_shop_info.html* which is stored in the admin folder can be accessed only by administrator. From this web page it is possible to only return back to the previous page.

The *map_info.html* which is stored in the main folder can be accessed only by user. From this web page it is possible to only return back to the previous page.

The *comment_info.html* which is stored in the main folder can be accessed only by user. From this web page it is possible to navigate to the *main_user.html*, *user_info.html*, *shop_info.html*, *map_info.html*. Also it is possible to navigate to the *update_comment_info.html* and *add_comment_info.html*.

The *shop_info.html* which is stored in the main folder can be accessed only by user. From this web page it is possible to navigate to the *main_user.html*, *user_info.html*, *comment_info.html*, *map_info.html*. Also it is possible to navigate to the *update_shop_info.html* and *add_shop_info.html*.

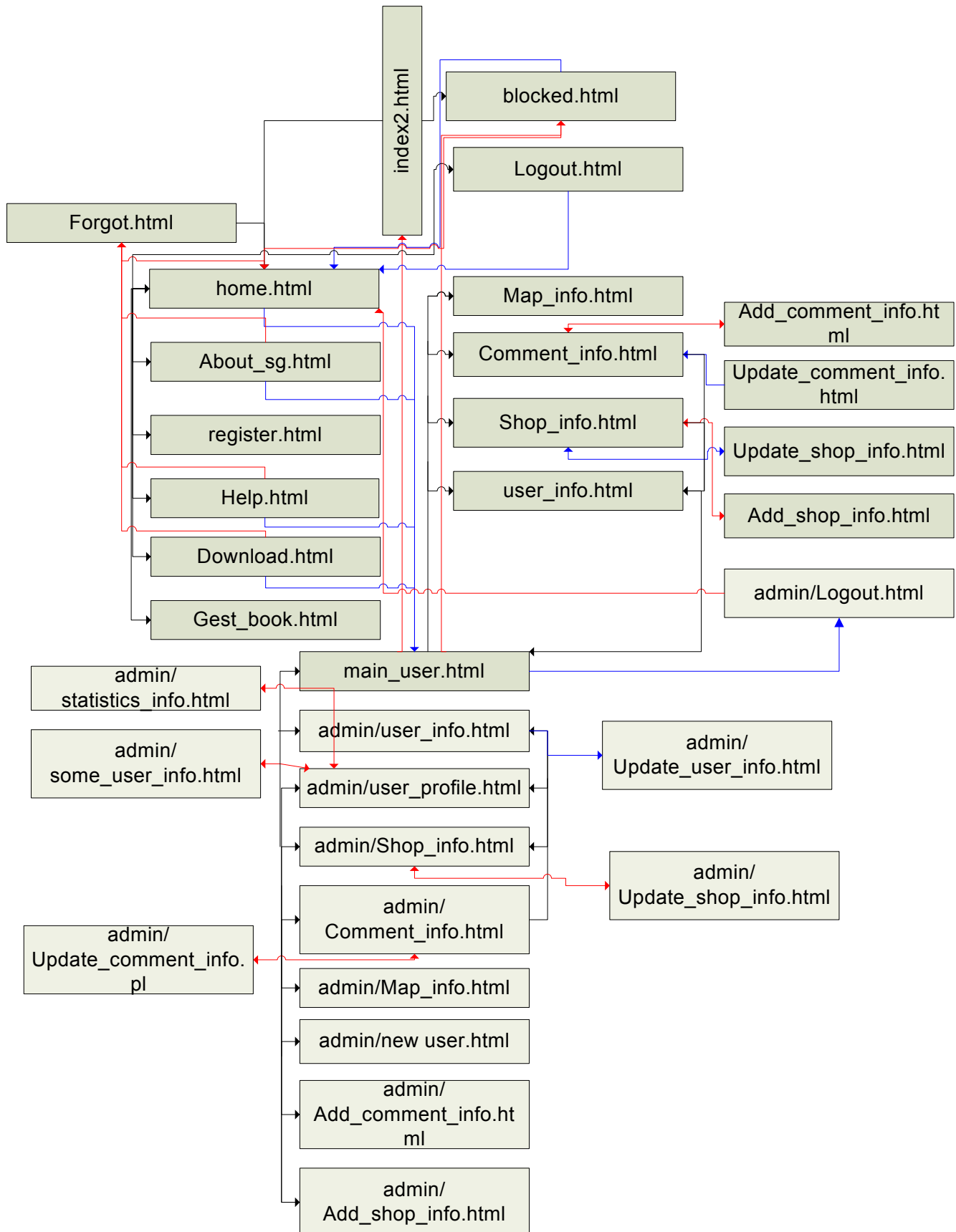
The *user_info.html* which is stored in the main folder can be accessed only by user. From this web page it is possible to navigate to the *main_user.html*, *shop_info.html*, *comment_info.html*, *map_info.html*.

The *add_comment_info.html* which is stored in the main folder can be accessed only by user. From this web page it is possible to only return back to the previous page.

The *add_shop_info.html* which is stored in the main folder can be accessed only by user. From this web page it is possible to only return back to the previous page.

The *update_comment_info.html* which is stored in the main folder can be accessed only by user. From this web page it is possible to only return back to the previous page.

The *update_shop_info.html* which is stored in the main folder can be accessed only by user. From this web page it is possible to only return back to the previous page.

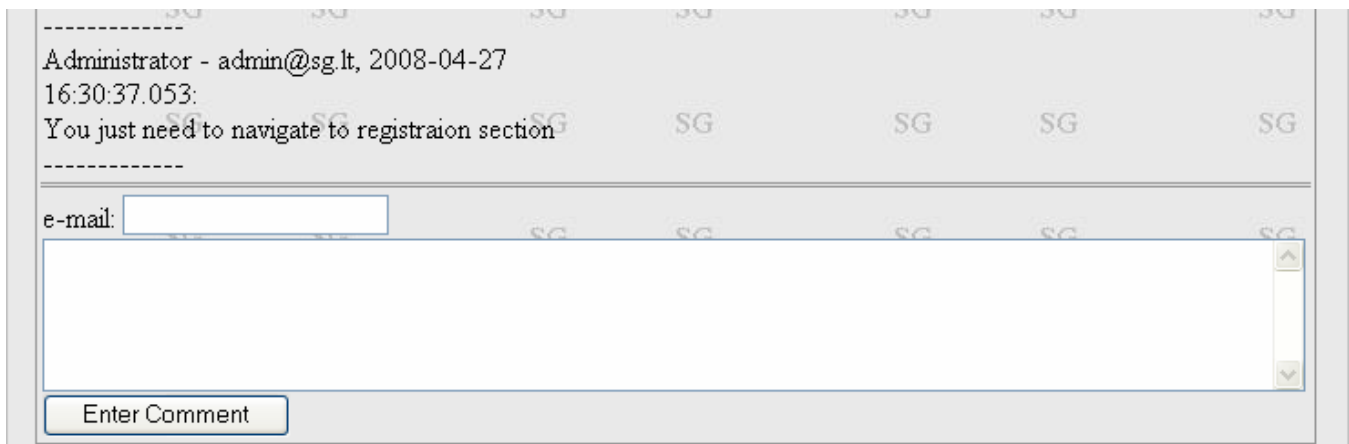


6.3 User Function Categories

The whole administrative and user portal contains 13 user cases, which are described in SRS document. For detail description of the use cases see in this document.

6.3.1 Function “enter comment in the guest book”

An unauthorized user must have a possibility to enter a comment about SG in the web page. The picture below illustrates possible UI of this UC. All this operation should be possible to perform in the guest_book.html web page. This web page should include the following fields: e-mail and text box for comment enter. All information should be displayed in the same web page in the following order: e-mail of the user, date then comment that was entered.



The screenshot shows a web form titled "Administrator - admin@sg.lt, 2008-04-27 16:30:37.053: You just need to navigate to registraion section". Below the title, there is a label "e-mail:" followed by a text input field. Below the input field is a large text area for entering a comment. At the bottom of the form is a button labeled "Enter Comment".

6.3.2 Function “create a new user”

Unauthorized user and administrator should have a possibility to create a new user in the administrative and user platform. The picture below illustrates possible UI of this UC. All this operation should be possible to perform in the register.html for unauthorized user and in new_user.html for administrator of the web page. This web page should include the following fields for unauthorized user: SG ID Owner's Name, Phone number, e-mail, SG ID, Password, Re-type password, Question for remember the password, The answer, Term of Service. For administrator the web page should include: Role, SG ID Owner's Name, Phone number, e-mail, SG ID, Password, Re-type password, Question for remember the password, The answer.

General Information	
* SG ID Owner's Name:	
Phone number:	
*e-mail:	
Id Information	
*SG ID:	
	<i>ID can be not longer than 10 symbols and consist only from letters!</i>
*Password:	
	<i>ID can be not longer than 10 symbols and consist only from letters!</i>
*Re-type password:	
Question for remember the password:	What is you mother Family Name? v
*The answer:	
Terms of Service	
*Term of Service:	I agree to be good user and do not copy or do not hack this page ;)
☐ Agree ☐ Don't agree	

6.3.3 Function “create a new shop”

A simple user and administrator should have a possibility to create a new shop in the administrative and user platform. The picture below illustrates possible UI of this UC. All this operation should be possible to perform in the add_shop_info.html for web pages. This web page should include the following fields for both users: Shop Name, Address, Opening hours, contact person, phone, e-mail, x, y. SG ID should be added only for administrator.

Fields marked with an asterisk * are mandatory

Information

*SG ID: egidijach

*Shop Name:

Address:

Opening hours:

Contact person:

Phone:

E-mail:

*X:

*Y:

Add new comment Cancel

6.3.4 Function “create a new comment”

A simple user and administrator should have a possibility to create a new comment in the administrative and user platform. The picture below illustrates possible UI of this UC. All this operation should be possible to perform in the add_comment_info.html for web pages. This web page should include the following fields for both users: Shop name, Comments, Start Date, Stop Date.

Add comment

Shop: Maxi

Comments:

Start Date: 2008 1 1

Stop Date: 2008 1 1

Click here: Add comment Cancel

6.3.5 Function “*view shop information*”

A simple user and administrator should have a possibility to view shop’s information in the administrative and user platform. The UI should be similar to “create a new shop” function UI. All this operation should be possible to perform in the shop_info.html for web pages. This web page should include the following fields for both users: Shop Name, Address, Opening hours, contact person, phone, e-mail, x, y.

6.3.6 Function “*view comment information*”

A simple user and administrator should have a possibility to view comment information in the administrative and user platform. The UI should be similar to “create a new comment” function UI. All this operation should be possible to perform in the comment_info.html for web pages. This web page should include the following fields for both users: Shop name, Comments, Start Date, Stop Date.

6.3.7 Function “*view user’s profile*”

Administrator or user should have possibility to view all information related with its own profile, while an Administrator should have possibility to view other user profiles too. The UI should be similar to “create a new user” function UI. All this operation should be possible to perform in the user_info.html for both administrator and user and user_profile.html and some_user_info.html only for administrator. User_info.html should display accounts user’s profile and should contain the following fields: SG ID Owner’s Name, Phone number, e-mail, SG ID, Password, Re-type password, Question for remember the password, The answer. The user_profile.html should contain a list of users which are created in the system. It must have the following fields: SG ID, e-mail, Is account locked, role. The some_user_info.html should contain a detail info about the other user and should be accessible only for an administrator. It must have the following fields: SG ID Owner’s Name, Phone number, e-mail, SG ID, Question for remember the password, The answer.

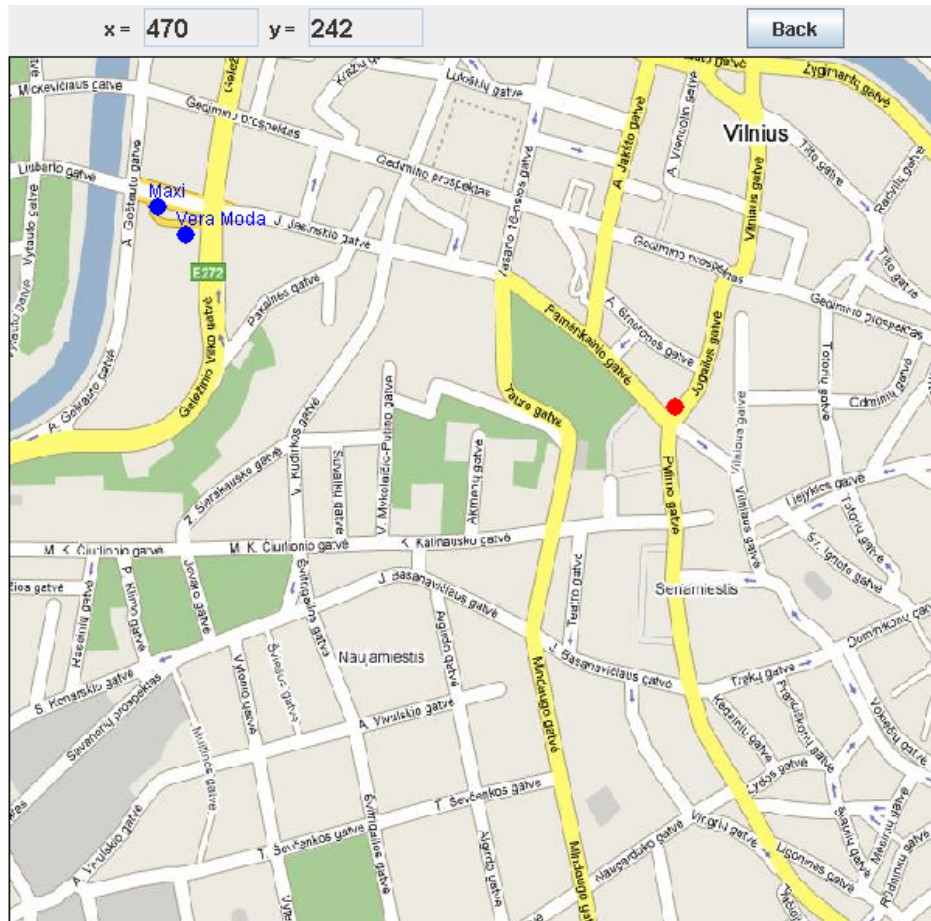
6.3.8 Function “*view statistics of a user*”

Administrator should have possibility to view all information related with statistics of the user’s account. The picture below illustrates possible UI of this UC. All this operation should be possible to perform in the statistics_info.html. This web page should contain the following fields: Is account locked, Account creation date, Last login date, Last password change date, Last logout date, Comments.

SG ID	egidijach
Is account locked	FALSE
Account creation date	2008-03-26 21:05:39.377
Last login date	
Last password change date	2008-03-26 21:05:39.377
Last lockout date	2008-05-12 13:51:10.423
Comments	Sometimes forgest password OK

map”

Administrator and user should have a possibility to view shop locations in Vilnius map. The picture below illustrates possible UI of this UC. All this operation should be possible to perform in the map_info.html web pages. This web page should contain the following fields: x, y.



6.3. 10 Function “delete”

Administrator and user should have a possibility to delete no longer needed information. It may be a shop, comment or a user. For this function no extra user interface is needed. This function should be possible to perform in comment_info.html, shop_info.html, user_info.html, user_profile.html.

6.3. 11 Function “Unlock”

Administrator should have to unlock blocked user. For this function no extra user interface is needed. This function should be possible to perform in statistics_infor.html

6.3. 12 Function “Update profile”

Administrator and user should have possibility update user profile. The administrator should have possibility to update and other user profile. The UI should be similar to “create a new user” function UI. All this operation should be possible to perform in the update_user_info.html for both administrator and user and some_user_info.html only for administrator. All these web pages should contain the following fields: SG ID Owner's Name, Phone number, e-mail, SG ID, Question for remember the password, The answer.

The user of the web page should have Password, Re-type password fields also, while an administrator should have role should additionally.

6.3. 13 Function “*Update shop*”

A simple user and administrator should have a possibility to update shop's information in the administrative and user platform. The UI should be similar to “create a new shop” function UI. All this operation should be possible to perform in the update_shop_info.html for web pages. This web page should include the following fields for both users: Shop Name, Address, Opening hours, contact person, phone, e-mail, x, y.

6.3. 14 Function “*Update comments*”

A simple user and administrator should have a possibility to update comment information in the administrative and user platform. The UI should be similar to “create a new comment” function UI. All this operation should be possible to perform in the update_info.html for web pages. This web page should include the following fields for both users: Shop name, Comments, Start Date, Stop Date.

6.3. 15 Function “*information of pages*”

Administrator, user or unauthorized user should have possibility to gain some information about the system. So system should include the general information about system, web page and short help. The picture below illustrates possible UI of this UC. All this operation should be possible to perform in the home.html, about_sg.html, help.html, main_user.html.

The help for mobile part of the system:

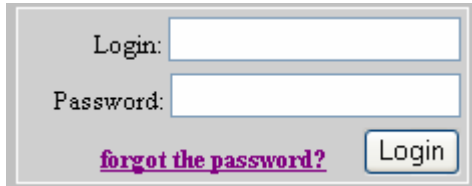
The first of all in order to start using the system you have to download the applications. Go to [download](#) page to do that. After that you have to download the needed skin. To download it you have to navigate to wap.sg.lt page with you mobile phone and select to download the skin. It will be automatically downloaded to you phone. And that is it! Now you can start using the system!

The requirement for the mobile phone:

- Java-enabled (J2ME with MIDP 1.0 and CLDC 1.0)
- Color-screen, standard resolution should be 128x160 pixels, but it will be expandable.
- At least 3 Mb of internal memory, the application takes 1 Mb of free space.
- GPRS
- Wap 2.0

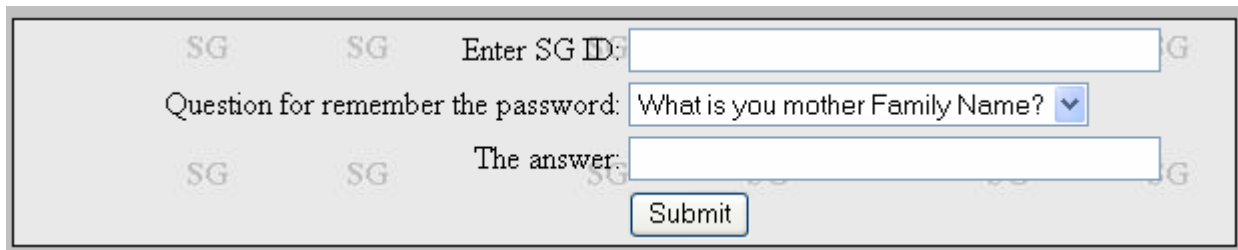
6.3. 16 Function “login logout”

Unauthorized user should have possibility to login to the account as administrator or user, depending on the role the account has. Also login user should have possibility to logout from the system. The picture below illustrates possible UI of this UC. All this operation should be possible to perform in the main_user.html, logout.html, index2.html(it is the case when login is wrong), blocked.html(it is the case when account becomes blocked). This web page should include the following fields for both users: Login, Password.

A login form with a light gray border. It contains two text input fields: the first is labeled "Login:" and the second is labeled "Password:". Below the password field is a link that says "forgot the password?" in purple text. To the right of the password field is a button labeled "Login".

6.3. 17 Function “forgot the password”

Unauthorized user should have possibility to know his password when he knows appropriate information. The picture below illustrates possible UI of this UC. All this operation should be possible to perform in the forgot.html. This web page should include the following fields for both users: SG ID, Question for remember the password, The answer.

A form for forgetting a password. It has a light gray background and a thin border. The form contains three input fields: "Enter SG ID:" followed by a text box, "Question for remember the password:" followed by a dropdown menu showing "What is you mother Family Name?", and "The answer:" followed by a text box. Below these fields is a "Submit" button. There are faint "SG" watermarks in the background.

6.3. 18 Function “download jar or jad”

Unauthorized user should have possibility to download files needed for his mobile phone to get the system running. The picture below illustrates possible UI of this UC. All this operation should be possible to perform in the download.html. This web page does not have any fields, which must be entered.

Description	Name	Size	Download method
jar file	sg.jar	10KB	Download JAR
jad file	sg.jad	11KB	Download JAD

Section 7. Requirements Traceability Matrix

ID	Requirements	Software requirements	Design Specification	Test Case	Successful Test Verification	Modification Of requirements	Remarks
1	All functional requirements are mapped in SyDD	SRS	SyDD	-	-	No	More detail overview is needed

Section 8. Glossary

SRS – software requirement specification

DB – data base

UI – user interface

SG – shopper guide

SyDD – system design description

Section 9. Revision History

Identify changes to the System Design Description.

Version	Date	Name	Description
1	2008-05-12	Egidija Charzevskyte	SyDD creation