Software requirement document

Software Requirements Document for 3D excursion, in SDU.

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Version	Date	Author	Change
0.1	02/12/10	Team 20	Initial Document

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1. **Introduction**

1.1 Purpose

The purpose of this document is 3D guide for SDU to our guests or students who want to be accepted in SDU to study, and for every one who wanted to use the web-application.

1.2 Scope

This document will describe the use cases and features of the project.

1.3 Definitions, acronyms, abbreviations

Admin ->person who will add and change infos.

User ->person who will use the application. It can be anyone.

Web-application ->type of web-page which does some actions.

Photo (3D) ->some pictures which will help us to predict the place.

Map ->picture of any place in small size.

GPS ->some function which will help us to find our current place

Information ->it will be button which executes information about the application.

Search->function which helps to find something you want

History ->text of your all previous queries.

1.4 References

Wikipedia: http://wikipedia.org, http://www.w3schools.com/

1.5 Overview

[OMIT]

2. Overall Description

3D excursion is an web-application which helps any person who wants to see SDU's building in small screen. And it can guide to see whole university and get information at the table not by walking.

2.1 Product Perspective

In the future, SDU will be very big university when building will over. Then it will be popular university. And new people can be lost in the territory. Then the application will be useful.

2.1.1 Concept of Operations

The system will run on web application which we are trying to do. The application will store in server (may be in computer).

2.1.2 Major User Interfaces

Example Screenshot and description

2.1.3 Hardware Interfaces

This software requires no more than standard personal computer peripherals.

2.1.4 Software Interfaces

OMIT for now.

2.1.5 Communication Interfaces
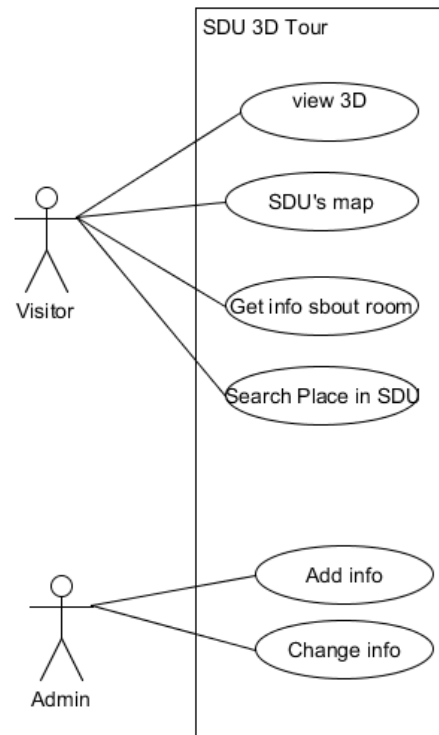
(OMIT for now)

2.1.6 Memory Constraints

OMIT for now)

2.1.7 Operations

OMIT for now

2.1.8 Site Adaptation Requirements

OMIT for now

2.2 Product functions

SDU 3D Tour

- view 3D
- SDU's map
- Get info sbout room
- Search Place in SDU
- Add info
- Change info

Visitor

Admin

Use Cases:

• User:

    o See 3D photos

    ouses the map of SDU

    oGet info about rooms, contacts, your current place and other

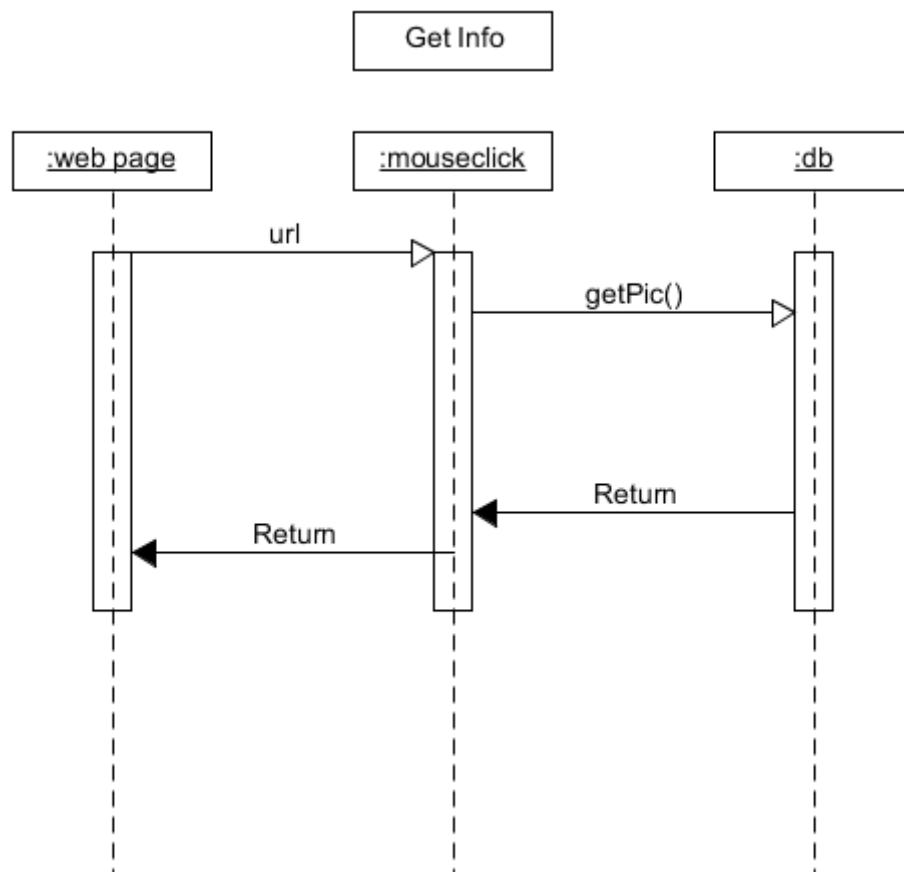   oSearch places

• Admin:

    o Add info

    o Change info

2.2.1 Example use case:

Get Info

a. Name of the use-case

Get Info

b. Brief description of the use case – include the goal

to get info about project and developers, contacts and other

c. Actors

users and admin

d. Main flow

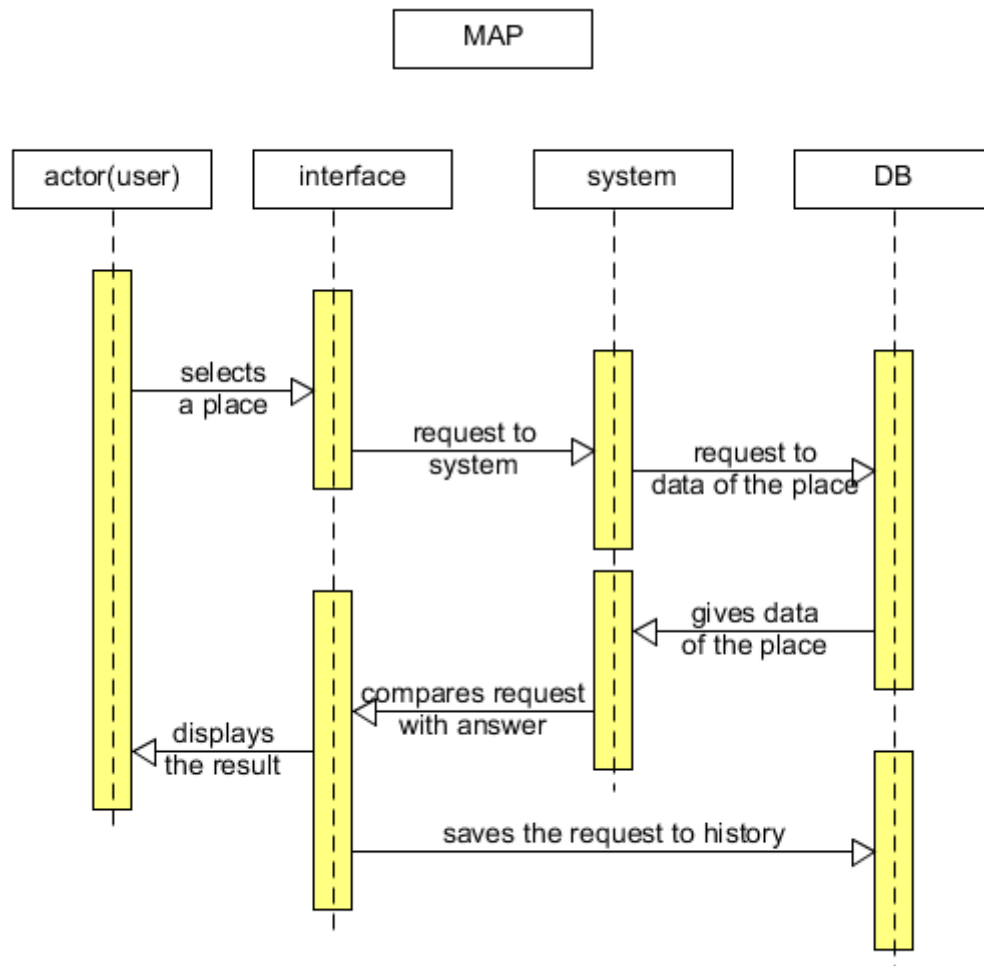Enter the web –page and read only. That's all

e. Alternate flows

f. Preconditions (if any)

g. Post conditions (if any)

Map

a. Name of the use-case

Map

b. Brief description of the use case – include the goal

Overall plan of excursion

c. Actors

admin and user

d. Main flow

Users visit the web-page and will orient with this case.
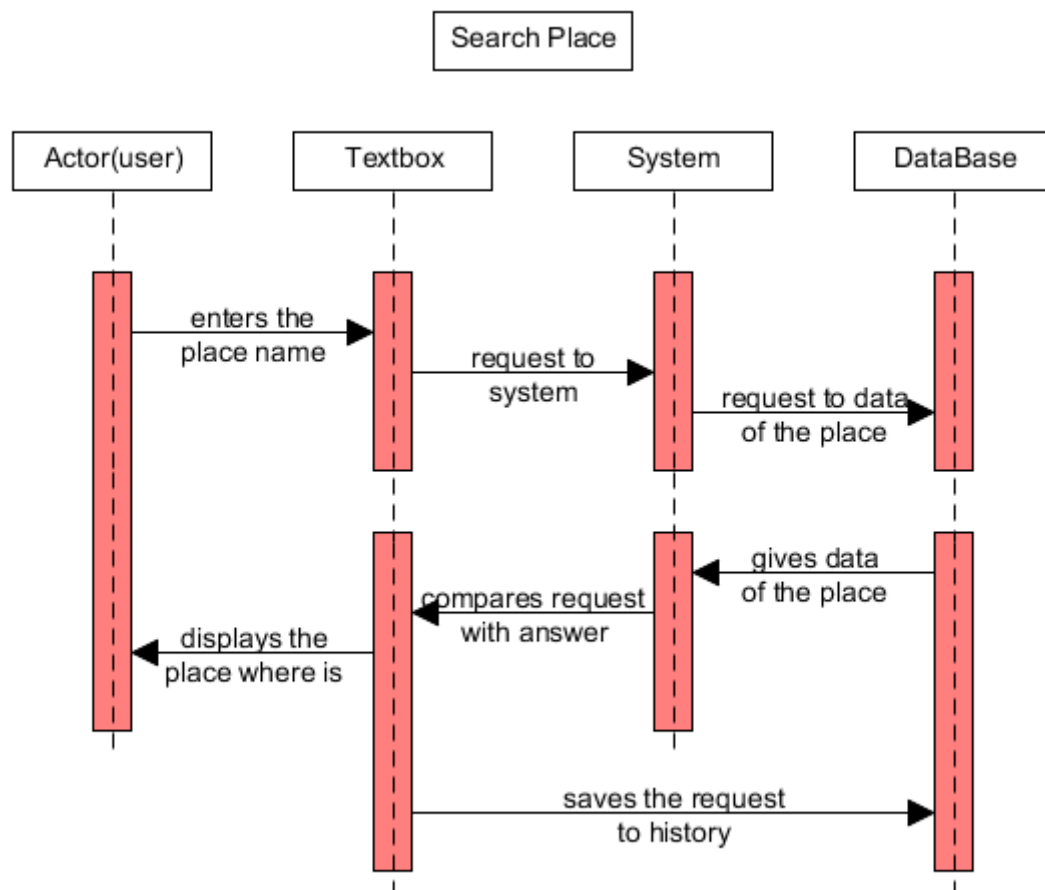
e. Alternate flows

f. Preconditions (if any)

g. Post conditions (if any)

Search place

Search Place

| Actor(user) | Textbox | System | DataBase |

enters the place name

request to system

request to data of the place

gives data of the place

compares request with answer

displays the place where is

saves the request to history

a. Name of the use-case

search place

b. Brief description of the use case – include the goal

to find places, rooms and other

c. Actors

users

d. Main flow

users will enter to this page and find places they want
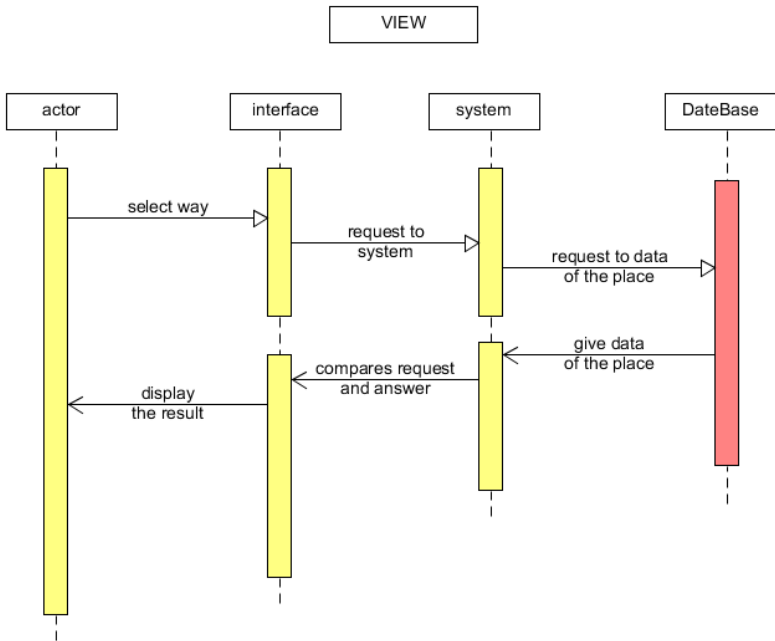
e. Alternate flows

f. Preconditions (if any)

g. Post conditions (if any)

View page

VIEW

actor — interface — system — DateBase

select way

request to
system

request to data
of the place

give data
of the place

compares request
and answer

display
the result

a. Name of the use-case

View page

b. Brief description of the use case – include the goal

page of excursion

c. Actors

users

d. Main flow

Users may enter to page and will see excursion in 3D.

e. Alternate flows

f. Preconditions (if any)

g. Post conditions (if any)

2.3 User characteristics

• User: A men who have internet and link to our web-page.

• Admin: Is a staff of project who can add changes to app.

2.4 Constraints

• The system is used mainly by enrollees, students, teachers and others.

• This is anweb-application for university.

• This web application is used for tour in SDU.

2.5 Assumptions and Dependencies

1. Browser dependency.

2. Internet dependency.

3 Specific Requirements

3.1 External Interface Requirements

SDU's network page for tour. That`s all.

3.1.1 User Interfaces

SDU's network page for excursion. That`s all.

3.1.2 Hardware Interfaces

Computer, tablet.

3.1.4 Software Interfaces

Web-application which is opened by browser

3.1.5 Communications Interfaces

Internet connection

3.2 FEATURES

3.3 Performance requirements

We have to know WEB courses very well. And need security knowledge.

3.4 Design Constraints

As we studied in CSI, everything is obvious. And there is no extra design object.

3.5 Software System Attributes

Network

3.5.1 Reliability

Reliability is on simplicity. The simple project has less count of bugs.

3.5.2 Availability

We will not have availability.

3.5.3 Security

Security level is not low.

3.5.4 Maintainability

Developers study in SDU. They will fix if there will be errors.

3.5.5 Portability

As we planned, server will be PC or laptop. Portability is exists.

3.6 Other Requirements

There is no other requirements.