SWE 574 Software Development as a Team, Fall 2014
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WBLH: Web Based Living History Application
Requirements Specifications Document

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Revision 1.0

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Revision	Date	Explanation
1.0	10.10.2014	Initial Requirements

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1. Introduction

This software specifications document is a guideline for designers and developers regarding the functions served by the system. The purpose of this software project is to develop a web based system regarding people's memories using the programming language Java, and MySQL environment, to do mainly the following:

1. Users should be able to describe a location and time based memory. The descriptions will include a place (or several places if appropriate), the time, and the exact description of the memory.
2. Memories should be able to be located via searching and browsing. Search by location, time and person should be supported by the application.
3. Users should be able to make comments on the memories.

The Web based system functions and user interface details are given in the following sections of this document.

2. Requirements List

2.1 Functional Requirements

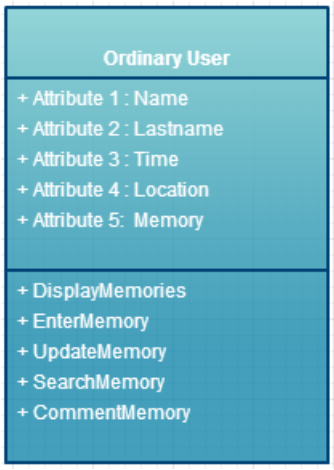
2.1.1 Functional Requirements for User

No	Use Cases(s)	Requirement
1.	DisplayMemories Use Case	To display memories for a selected time and place
2.	EnterMemory Use Case	To enter a new memory for a specific time and place
3.	UpdateMemory Use Case	To display & update/modify information entered for a special memory
4.	SearchMemory Use Case	To search for other people's memories based on location, time or person
5.	CommentMemory Use Case	To make comments on a specific memory

2.2 Data Requirements

Package Diagram of "User" Class

The class "Ordinary User" that exist in the system is illustrated below.



2.3 Non-Functional Requirements

2.3.1 Security

No security requirements have been provided by the customer yet.

2.3.2 Configuration

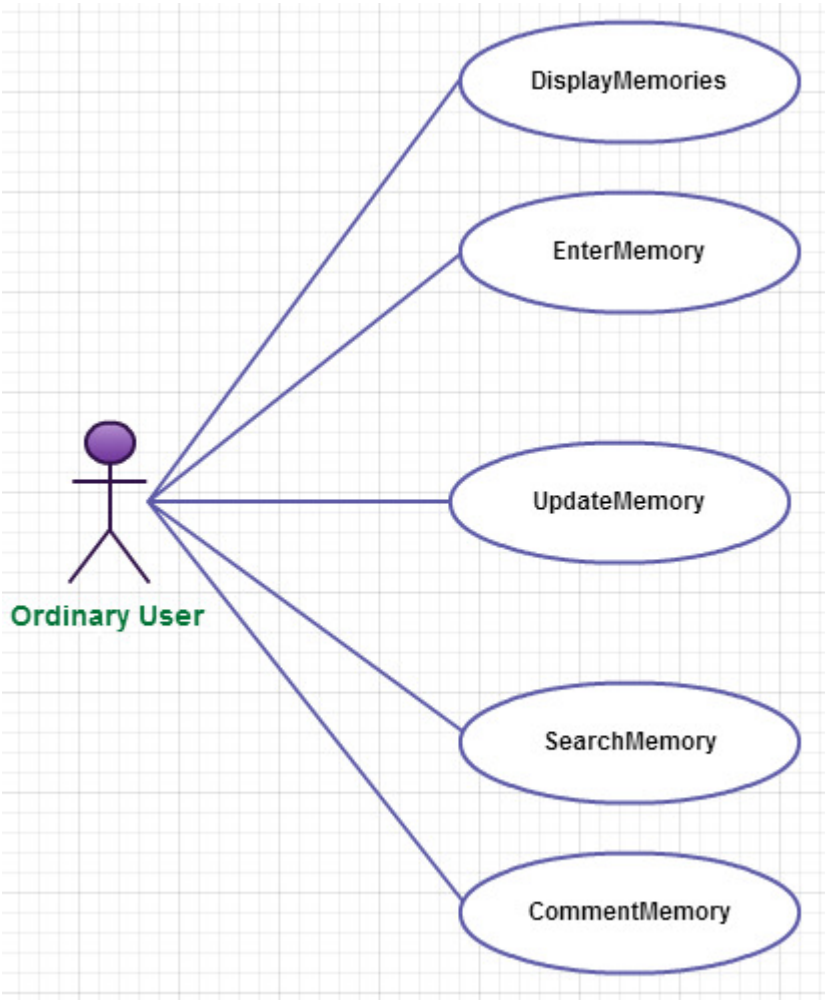
All relevant information should be able to be exported in RDF for interoperability purposes.
The application should have a web and an Android based mobile client.

2.3.4 Environment

Server side: Java
Database: MySQL
The hosting will be provided by the customer.

3. Actors & Use Cases (Function Groups)

Actor	Description
Ordinary User	Any person that uses the system by entering new memories or viewing existing memories
Administrator	The administrator of the system that manages the web based database and has additional privileges compared to an ordinary user



4. Function Definitions

4.1 Participant Functions

No	Use Case	Description
1.	DisplayMemories	This function displays memories. Any user may invoke this functio. The memory categorization is based on 2 aspects: time & location. Advanced search by location, time and person is supported. There are buttons to display previous and next memories for each location and to return to main menu.
2.	EnterMemory	This function enables the user to describe a location and time based memory. For each location, different memories can be entered according to the person and time criteria. The user should enter a place, time and description for the memory. Several places can be entered for the same memory. The user is able to enter a memory description using multimedia elements (text, pictures, videos, sound recordings)

3. UpdateMemory

- The user of a memory is able to update the information related to his/her memory.

4. SearchMemory

- This function enables the users to search for memories with specific features.
- The memories can be located via searching and browsing.
- Advanced search by location, time and person are supported by the application.
- A map showing the location of the memory is presented using Openstreetmap at the time of viewing a memory.

5. CommentMemory

- This function enables the users to respond to or comment on the existing memories.

4.2 Administrator Functions

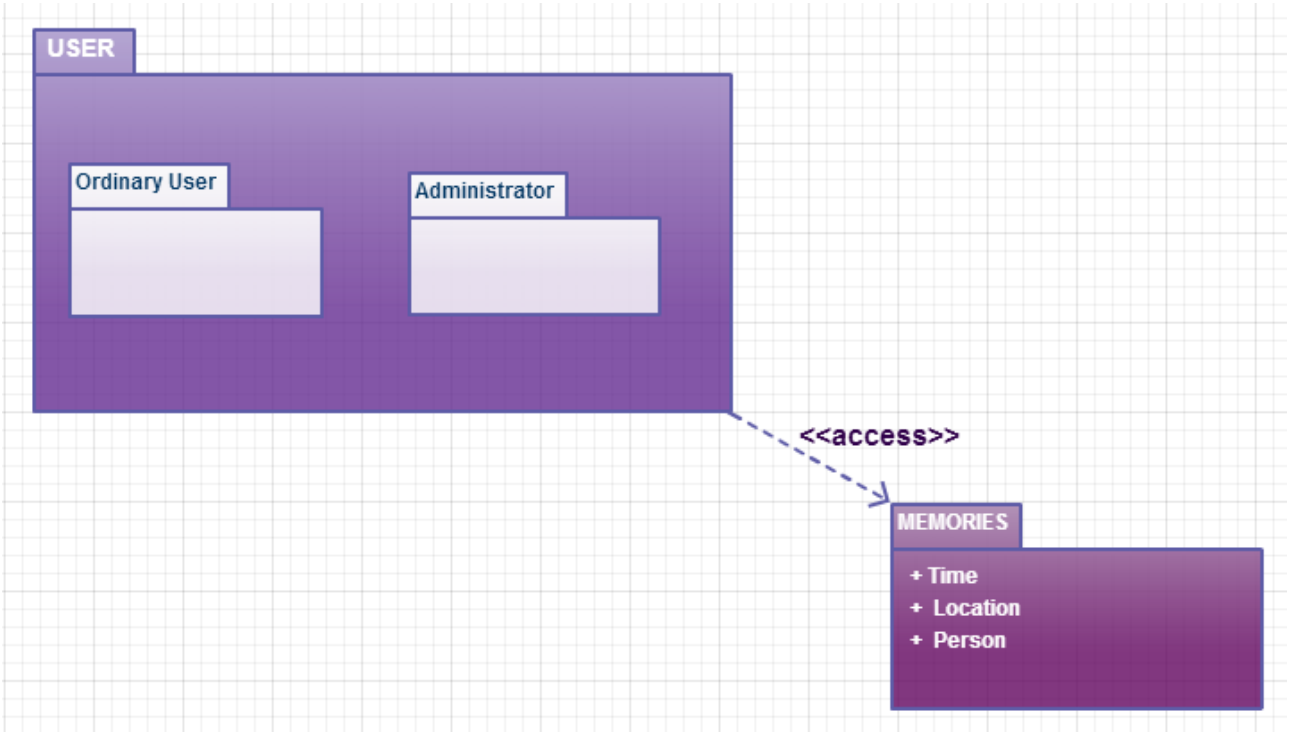
The administrator functions are not yet described by the customer.

5. Glossary

Term	Description
Memory	In psychology, memory is the process in which information is encoded, stored, and retrieved.

6. Initial Structure

Initial structure of the system depends on packages that include related use cases.
In this system, these are ordinary user and administrator subsystem packages, both of which access the memory application's database system.



7. References

Suzan Uskudarlı's Problem Definition document on
http://moodle.cmpe.boun.edu.tr/mod/page/view.php?id=302 is used as a reference.