



CS251 – Software Engineering I

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Software Requirements Specifications

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Software Requirements Specifications

Team

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Document Purpose and Audience

This document describes the software requirements and specifications for an events social Network.
The document will be used in the design, implementation and management of the site.

The intended audience of this document are the project owner and the developers.

Introduction

Software Purpose

The purpose of this site is to create a social networking site where users can create a profile and build a personal network that connects them to other users. This site contains many features all rolled into one, providing a venue for content creation and evaluation, members share photos, thoughts, opinions and news. The site also allows users to choose who gets to view their profiles. Also in this site the user can create and manage events and also can attend the events, not only that but also the users will be able to create accounts and follow other users, they will be able to browse for event in a category of their interest, users will be notified of future events in categories they like and in cities they like and they will be able to buy tickets to these events.



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Software Scope

The idea behind the project title is to develop a mobile application and web application which schedules and manage events and provides social interaction for the event, this is set of useful features that help you in planning, organizing and finding resources for on line events, best of all it is managed right from your computer and mobile, probably where you spend most of your time.

The software scope would mainly involve two views of the site, the event creator and the event attendee, creator will be able to create, delete and edit an event. The attendees can view, join, leave and buy tickets to the events.

Definitions, acronyms, and abbreviations

Most of the terms in this document are pretty straightforward, although we might include a few acronyms that we might use later on in the glossary.

Requirements

Functional Requirements

Event technology provider should offer assistance in a wide variety of areas such as building events for you, proposing effective events, marketing plans, designing impressive events, invitations and general consultation on how to make your events and meeting successful. Some of the useful functional requirements in this site are as follow:

- 1)The system will allow all sorts of users to create accounts first.
- 2)The system will display login page, where registered users can login with a correct user name and password.
- 3)The system will authenticate the user name and password and if successful, user is directed to the home page, if not, error message is displayed and user is asked to either create account or try login again.
- 4)The site displays a home page which allows user to create event or attend event.
- 5)During creation of an event the site asks user to select predefined category for their event and this helps in making the event easily discoverable.
- 6)The system displays suggestions of events to the user that the can attend.



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7)The system also displays a number of options like discover events, my events(list of events that the user has selected to attend),my tickets(list of tickets the user has bought).

8)The system gives the user the option of searching and following other users.

9)The system notifies the user of events they have chosen to attend and those they have created.

Non Functional Requirements

1. **Reliability**-the system will be reliable by keeping all the data on a database, and that data will be accessed anytime as long as the user has got connection.
2. **Privacy**- passwords will be sent and stored in an encrypted form.
3. **Usability**-system will be easy to use.
 - a. It will use descriptive names that do things they mean
 - b. User interface will be clear to the user on the first view.
4. **Accessibility**-the system will be dynamically programmed so that it can be accessed on any device.
5. In case of any interruption when user is interacting with the system. Users changes will be saved automatically.

System Models

Use Case Model

- Use case Model is attached in a separate pdf.

Use Case Tables



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Use Case ID:	01	
Use Case Name:	Sign up.	
Actosr:	User	
Pre-conditions:	Web home page is open and user is not registered	
Post-conditions:	New account is created in users name and added to list of accounts in the database	
Flow of events:	User Action	System Action
	1- User opens web home page and selects Create Account option	
		2- System displays a form having all the necessary fields.
	3- User fills the form and presses create.	
		4- System redirects user to a confirm page and sends confirmation mail to user.
	5-User confirms his registration from mail	
		6-System confirms user registration and directs user to home page
Exceptions:	If user name or email already exists user is informed of this conflict.	
Includes:		



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Notes and Issues:	
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Use Case ID:	02	
Use Case Name:	Login	
Actosr:	User	
Pre-conditions:	Web home page is open and user has an account	
Post-conditions:	User is logged into the home page	
Flow of events:	User Action	System Action
	1- User opens web home page and selects login option	
		2- System displays a login page which takes user name/email and password.
	3- User enters his user name or email and password	
		4- System validates the name and password if correct user is logged in if not exception is raised
Exceptions:	If username, email or password is wrong user is asked to try again	
Includes:	Forgot-password.	
Notes and Issues:		



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Use Case ID:	03	
Use Case Name:	EditSettings	
Actosr:	User	
Pre-conditions:	Web home page is open and user is logged in	
Post-conditions:	Settings are updated in the database.	
Flow of events:	User Action	System Action
	1- User selects edit settings	
		2- System displays settings page.
	3- User makes changes he wants and clicks save	
		4- System updates user settings in the database and saves them.
Exceptions:		
Includes:		
Notes and Issues:		



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Use Case ID:	04	
Use Case Name:	CreateEvent	
Actosr:	User	
Pre-conditions:	User is logged in	
Post-conditions:	New event created.	
Flow of events:	User Action	System Action
	1- User clicks on create event button	
		2- System displays a create event page
	3- User fills in all the necessary fields regarding event he is creating and clicks create	
		4- System creates a new event and saves it in the database.
Exceptions:		
Includes:		
Notes and Issues:		



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Use Case ID:	05	
Use Case Name:	Attend Event	
Actosr:	User	
Pre-conditions:	User is logged in and is not attending event yet.	
Post-conditions:	User is added to list of event attendees and given option of buying ticket, if needed.	
Flow of events:	User Action	System Action
	1- User clicks Attend Event.	
		2- system adds user to list of event attendees
Exceptions:		
Includes:	Buy ticket	
Notes and Issues:		



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Use Case ID:	06	
Use Case Name:	View Recommended events	
Actosr:	User	
Pre-conditions:	User is logged in	
Post-conditions:	Recommended events are displayed	
Flow of events:	User Action	System Action
	1- User clicks on recommended events	
		2- System displays list of events that are recommended according to user preferences
Exceptions:		
Includes:		
Notes and Issues:		



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Use Case ID:	07	
Use Case Name:	Set preferences/edit preferences	
Actosr:	User	
Pre-conditions:	User logged in.	
Post-conditions:	User preferences are updated in the database.	
Flow of events:	User Action	System Action
	1- user clicks on edit preferences	
		2- System displays user preferences
	3- User edits preferences and selects save.	
		4- System updates the users preferences and saves them.
Exceptions:		
Includes:		
Notes and Issues:		



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Use Case ID:	08	
Use Case Name:	View recently added events	
Actosr:	User	
Pre-conditions:	User is logged in	
Post-conditions:	Recently added events list is displayed.	
Flow of events:	User Action	System Action
	1- User clicks view Recently added events	
		2- System displays list of recently added events
Exceptions:		
Includes:		
Notes and Issues:		



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Use Case ID:	09	
Use Case Name:	Delete event	
Actosr:	User	
Pre-conditions:	User is logged in and he must have created the event and the event page is open	
Post-conditions:	Event will be removed from all lists of events.	
Flow of events:	User Action	System Action
	1- User clicks on delete event	
		2- System removes the event from the database and all its associated information.
Exceptions:		
Includes:		
Notes and Issues:		



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Use Case ID:	10	
Use Case Name:	Buy ticket	
Actosr:	User	
Pre-conditions:	User selects attend event and event page is open	
Post-conditions:	user availed with ticket for printing.	
Flow of events:	User Action	System Action
	1- User clicks on buy ticket	
		2- System displays a form with the relevant fields
	3- User fills the form with the right information and submits it.	
		4- System provides a link for user to download ticket.
Exceptions:	If user doesn't have enough balance on his account, when any of the fields doesn't contain the right information e.g PIN	
Includes:		
Notes and Issues:		



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Use Case ID:	11	
Use Case Name:	Follow another user	
Actosr:	User	
Pre-conditions:	User either searches a particular user or goes to suggested users page.	
Post-conditions:	Followed user will be added to the list of followed and both lists are updated.	
Flow of events:	User Action	System Action
	1- User clicks on follow	
		2- System adds the selected user following list.
Exceptions:		
Includes:		
Notes and Issues:		



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Software Requirements Specifications

Ownership Report

Item	Owners
Use case model	Thabit Ali Abdulla
Use cases	Kayira romin
Use cases	
functional requirements	
Nonfunctional requirements	

Policy Regarding Plagiarism:

Students have collective ownership and responsibility of their project. Any violation of academic honesty will have severe consequences and punishment for ALL team members.

1. تشجع الكلية على مناقشة الأفكار و تبادل المعلومات و مناقشات الطلاب حيث يعتبر هذا جوهرها لعملية تعليمية سليمة
 2. ساعد زملاءك على قدر ما تستطيع و حل لهم مشاكلهم في الكود و لكن تبادل الحلول غير مقبول و يعتبر غشا.
 3. أى حل يتشابه مع أى حل آخر بدرجة تقطع بأنهما منقولان من نفس المصدر سيعتبر أن صاحبيهما قد قاما بالغش.
 4. قد توجد على النت برامج مشابهة لما نكتبه هنا أى نسخ من على النت يعتبر غشا يحاسب عليه صاحبه.
 5. إذا لم تكن متأكدا أن فعلا ما يعد غشا فلتسأل المعيد أو أستاذ المادة.
- في حالة ثبوت الغش سيأخذ الطالب سالب درجة المسألة ، و في حالة تكرار الغش سيرسب الطالب في المقرر.