Software Requirement Specification Document for Event Engager Application

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GitHub: https://github.com/MHeidar1/Event-Engager-.git

SRS Version	Date	Reason for Change
1.0	22-October-2020	SRS First version's specifications are defined
2.0	9-November-2020	Updated the User Interfaces.
3.0	5-December-2020	Updated the Similar Systems and add the Github link.

Table 1: Document version history

Contents

1 Introduction

1.1 Purpose of this document

The purpose of the document is to explain the system components and functionalities in order to clarify all the system details for all the audiences who are in the development team.

1.2 Scope of this project

- The project timetable is about 10 weeks starting from 18 of October 2020 and ending at 27 of December 2020.

- The project is built by 4 junior full stack and mobile developers.

1.3 Overview

The system is an event engagement application that can be used in employment fairs and similar events in which each exhibitor add data about their entity and their vacancies while the attendees can add their interest beside their info, based on that the attendees will receive recommendations about relevant entities and vacancies. Beside that the attendees can apply for the vacancies by scanning QR codes of the exhibitors to submit their data such as their CV, LinkedIn profile and their contact info.

2 General Description

2.1 Product Functions

- Admin shall be able to add, edit and remove exhibitors.

- Admin shall be able to edit and remove attendees.

- Exhibitors Shall be able to edit their profiles.

- Exhibitors Shall be able to add, edit and remove their available vacancies.

- Exhibitors Shall be able to view and download the list of attendees who applied in their vacancies.

- Attendees shall be able to edit their profiles.

- Attendees shall be able to add and edit their interests.

- Attendees shall be able to view all exhibitors.

- Attendees shall be able to view recommended exhibitors for them based on their interests.

- Attendees shall be able to view all vacancies.

- Attendees shall be able to to apply for vacancies through scanning the QR code of the exhibitor.

- Attendees shall be able to view the vacancies they applied for.

- Admin shall be able to view statistics about the attendees, exhibitors and vacancies.

2.2   User Characteristics

All users shall have the basic skills in using smartphones that qualify them to use different mobile applications.

2.3   User Problem Statement

In employment fairs and similar events exhibitors face major problems like attracting irrelevant audience which burn alot of time in introducing their entity for them without ROI beside facing chaos when collecting data. Also the attendees struggle to find relevant opportunities as the only way to find them is by passing by all the exhibitors which also burn time and sometimes ends up with frustration if they had high expectations.

3 Functional Requirements

Title	SignUp
ID	FR00
Description	This function is for Attendees to create their accounts
User	Attendee
Input	first name, last name, username, email, password
Action	Checks if email exists then inserts a new user
Output	-
Pre-condition	Email to be unique
Post-condition	User created and inserted in the database
Dependencies	-

Title	Add Exhibitor
ID	FR01
Description	This function is for Admin to create accounts for Exhibitors
User	Admin
Input	logo, name, website, address, email, password
Action	Checks if email exists then inserts a new user
Output	-
Pre-condition	Email to be unique
Post-condition	User created and inserted in the database
Dependencies	-

Title	Delete Exhibitor
ID	FR02
Description	This function is for Admin to delete Exhibitors accounts
User	Admin
Input	Exhibitor's ID
Action	Delete an existing Exhibitor from the database
Output	Record deleted successfully
Pre-condition	Exhibitor user to exist
Post-condition	Exhibitor deleted from the database
Dependencies	FR01

Title	Delete Attendee
ID	FR03
Description	This function is for Admin to delete Attendees accounts
User	Admin
Input	Attendee's ID
Action	Delete an existing Attendee from the database
Output	Record deleted successfully
Pre-condition	Attendee user to exist
Post-condition	Attendee deleted from the database
Dependencies	FR00

Title	Login
ID	FR04
Description	This function is for all user types to log into their accounts
User	All
Input	email, password
Action	Checks if email and password match credentials in the database
Output	-
Pre-condition	login form to be filled
Post-condition	Redirect users to their pages according to the user type
Dependencies	-

Title	Sign out
ID	FR05
Description	This function is for all user types to sign out from their accounts
User	All
Input	-
Action	Sign out
Output	-
Pre-condition	Account to be logged in
Post-condition	Sign out and redirect users to home page
Dependencies	FR04

Title	Add Vacancy
ID	FR06
Description	This function is for Exhibitors to add vacancies
User	Exhibitor
Input	job title, experience
Action	Add vacancy to the database
Output	Record inserted successfully
Pre-condition	Exhibitor to exist and successful login
Post-condition	Vacancy added to the database
Dependencies	FR01, FR04

Title	Remove Vacancy
ID	FR07
Description	This function is for Exhibitors to remove vacancies
User	Exhibitor
Input	Vacancy's ID
Action	Remove vacancy from database
Output	Record deleted successfully
Pre-condition	Exhibitor to exist and successful login
Post-condition	Vacancy deleted from the database
Dependencies	FR04, FR06

Title	Apply for Vacancy
ID	FR08
Description	This function is for Attendees to apply for vacancies
User	Attendee
Input	Vacancy's ID, Attendee's ID
Action	Add vacancy application to the database
Output	Record inserted successfully
Pre-condition	Attendee to exist and successful login
Post-condition	Vacancy application inserted to the database
Dependencies	FR04, FR06

4 Similar System

- Social Media Day Egypt: event application powered by eventtus. (https://play.google.com/store/apps/de

- World Youth Forum: event application powered by eventtus. (https://play.google.com/store/apps/details

The previous applications were built by Eventtus to keep track about announcements, speakers and exhibitors. Our system will be a stand-alone application as it will be used in employment fairs to improve the experience of exhibitors and attendees beside providing an organised communication between them.

5 Interface Requirements

5.1 User Interfaces

Our system is user-friendly. Mainly deals with 3 type of users; Attendees, Exhibitors and Admin. Attendees: they will be able to view and apply for vacancies, add their interests and view exhibitors. Admin: they will be able to add, edit and remove exhibitors, edit and remove attendees. Exhibitors: they will be able to add, edit and remove heir available vacancies, view and download the list of attendees who applied in their vacancies.
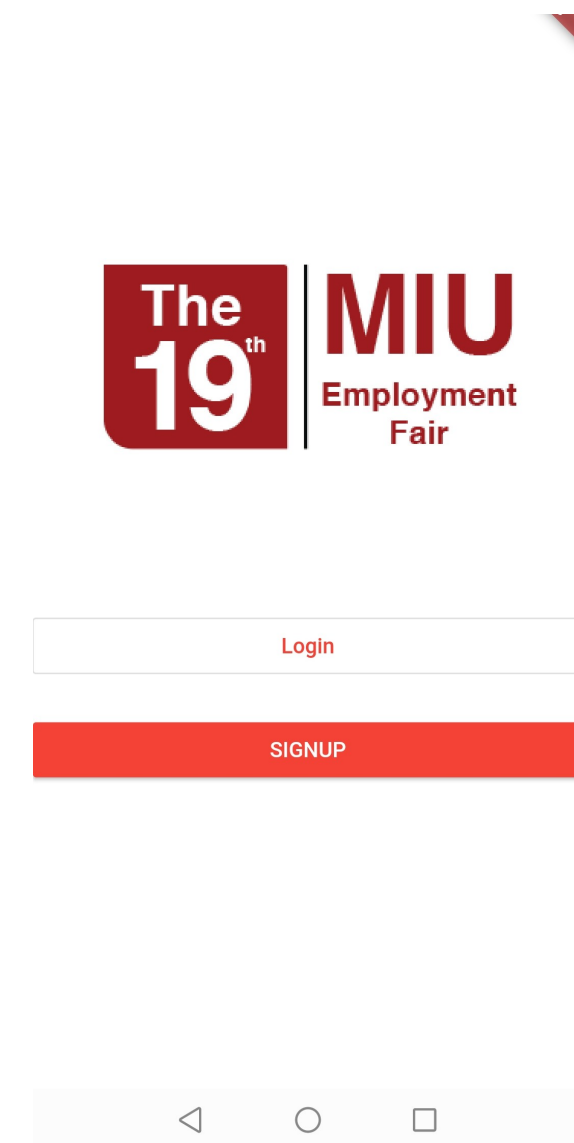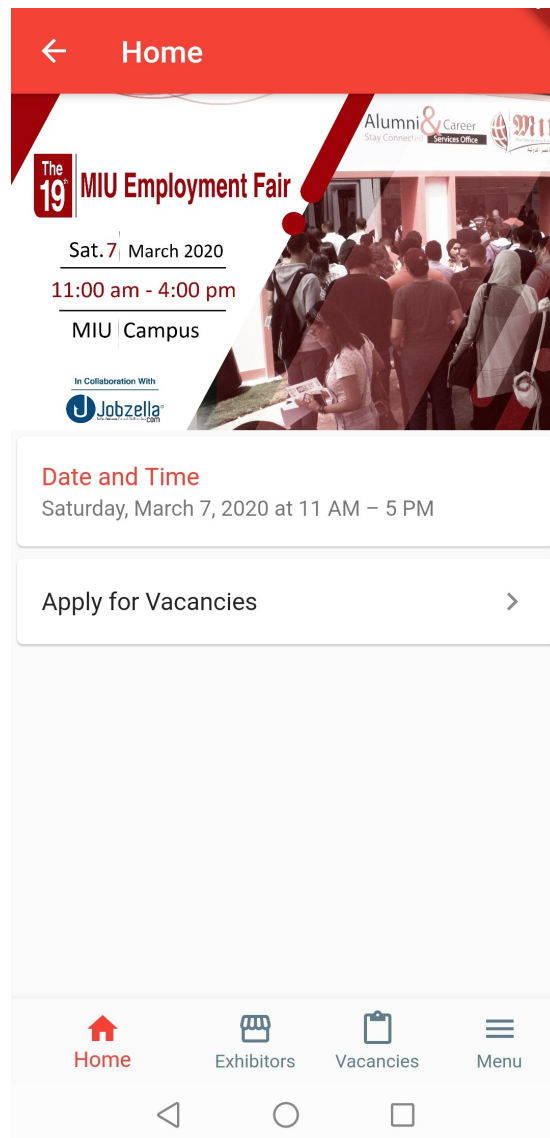
5.1.1   GUI

Figure 1: Welcome Page

Figure 2: Login Page

Figure 3: Home Page
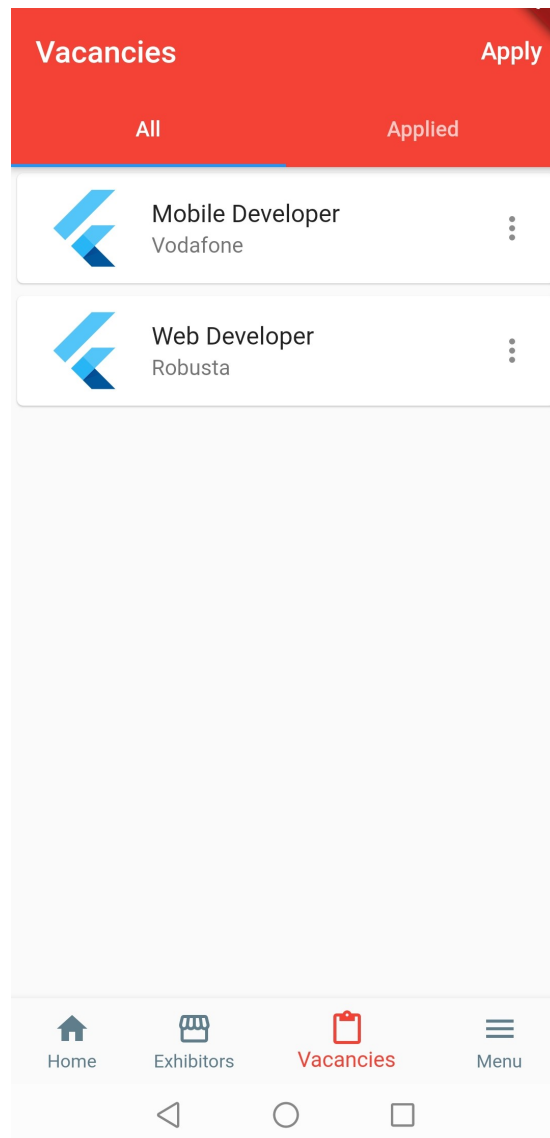
Figure 4: Exhibitors

Figure 5: Vacancies

← About

About MIU Employment fair
The Employment Fair provided students and alumni from all faculties with the opportunity to meet potential employers, apply for available jobs, and reminisce with former colleagues in a 6 hour event.

Date and Time
Saturday, March 7, 2020 at 11 AM – 5 PM
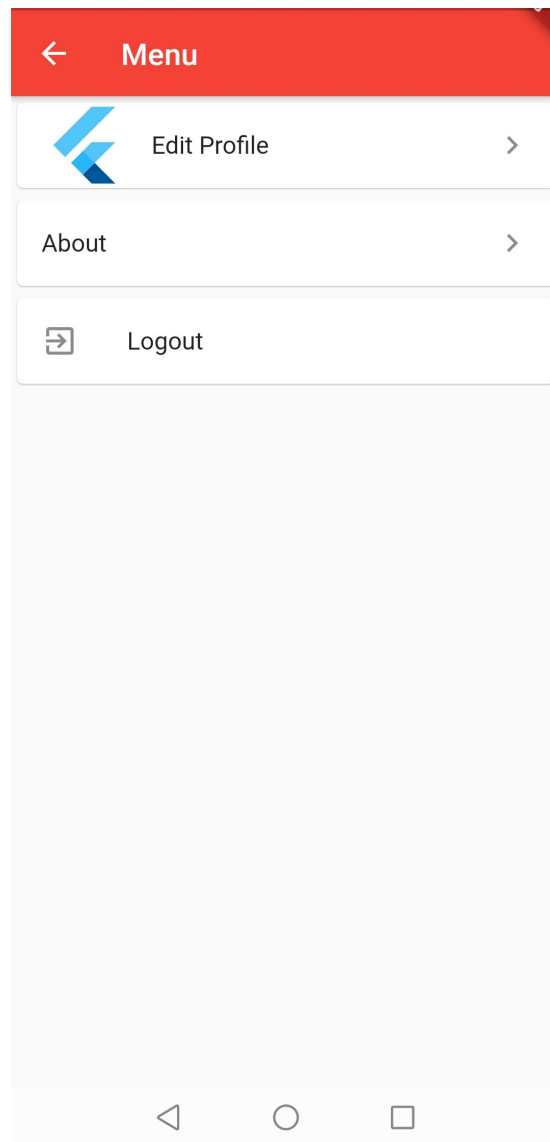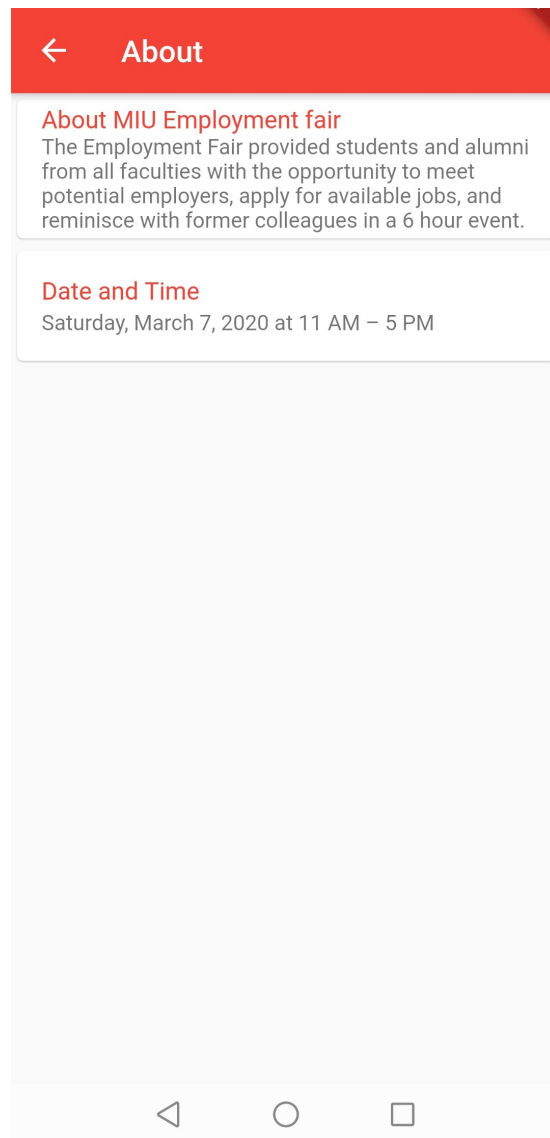
Figure 6: My Profile

6 API

- LinkedIn sign-in , Google sign-in.

- sign-up.

- Email messages.

7 Design Constraints

- The system shall be responsive to work on different types of mobiles.

- The system data shall be processed in the server side for to maintain security.

8 Other non-functional attributes

8.1 Portability

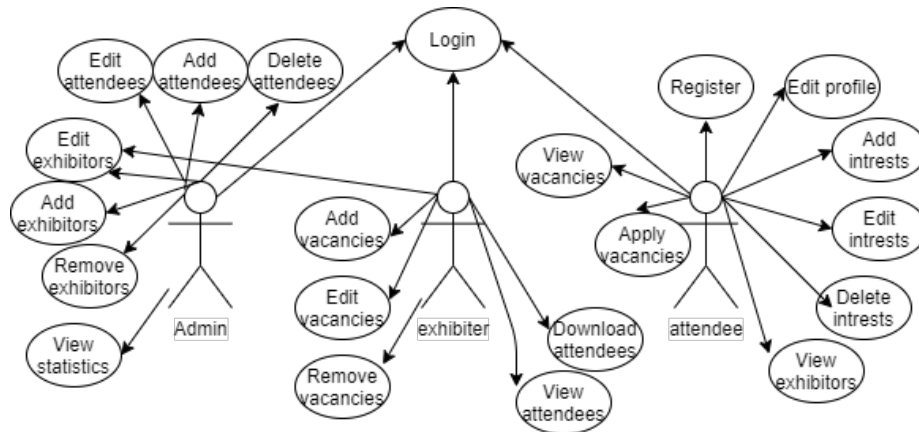The Application shall be responsive to run on all mobiles with different dimensions .

8.2 Performance

Each page shall be loaded within 20 milliseconds..

8.3 Usability

System shall be easy to use for all type of users from different backgrounds.

9 Operational Scenarios

9.1 Admin: The admin have many privileges such as

- The admin can add exhibitors.
- The Admin can edit exhibitors.
- The Admin can remove exhibitors.
- The Admin can edit attendees.
- The Admin can remove attendees.
- The Admin can view statistics about the attendees.
- The Admin can view statistics about the exhibitors.
- The Admin can view statistics about the vacancies.

9.2 Exhibitor:

- Exhibitor should edit and complete their profile information after a admin creates it.
- Exhibitor should add their vacancies and requirements.
- Exhibitor can edit their available vacancies and requirements.
- Exhibitor can remove vacancies or requirements.
- Exhibitor can view or download the entire list of attendees who applied to a certain vacancy.
- Exhibitor

9.3 Attendee: Does most of the interaction with system.

- Attendee could register with linked-in.
- Attendee is able to update his profile.
- Attendee is able to add his/her interests.
- Attendee is able to edit their interests.
- Attendee is able to upload his/her CV as a PDF file.
- Attendee is able to view all exhibitors.
- Attendee is able to see all vacancies and what is recommended for him according his interest or faculty.
- Attendee is able to apply for a vacancies through scanning the QR code of the exhibitor.
- Attendee is able to view all vacancies he/she applied for.
- Attendee is able top remove their application.

10 Project Management

10.1 Tasks and Time Plan

Figure 7: Time Plan

11 References

- https://www.https://requirementsquest.com/wp-content/uploads/2017/01/NonfunctionalRequirement-EXAMPLES.pdf/

- IEEE Recommended Practice for Software Requirements Specifications,"
  in IEEE Std 830-1998 , vol., no., pp.1-40, 20 Oct. 1998, doi: 10.1109/IEEESTD.1998.88286.

- Sommerville, I. (2015). Software engineering 10th Edition. ISBN-10: 0133943038. AddisonWesley.