Software Requirements Specification
for
An Educational Events Management Website

Prepared by :

MD.AL-AMIN – 1520664042
Mashruf Mahabub - 1510501042
MD. Saqif Mohtasim - 1530110042
Enamul Hoque - 1531422042

Submitted To:

Dr. Md Musqique Anwar

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Chapter 1

Introduction

1.1 Purpose

There are lots of educational institutions which arrange many educational events like Workshops, HR events, Programming contests, Inter-institution contests or festivals etc. And sometimes they encourage students from all over to join those events. Basically these institutions post about these events on their official website. And it's not possible for a student from different institution to always get information of these events visiting every single website of these institutions. As a result, enthusiastic students from different institution miss the chance to attend those events having lack of information. Our goal is to create an web app which is call 'E-Events' where one will be able to post about his/her institution's upcoming events and interested person can find all the updates about upcoming events countrywide within it.

1.2 Intended Audience

This website is going to be designed for interested students from all over the country from different educational institutions who would like to join event of different institutions.

1.3 Intended Use

Students from all institutions can track the updates about every upcoming events through this one website. They don't need to visit every single educational website to know the status about their upcoming events. And they can also search for the type of events they are looking for.

1.4 Product Scope

The purpose of the E-events management system is to ease educational events management and to create a convenient and easy-to-use application for students. The system is based on a relational database with its educational management and searching functions. We will have a database server supporting hundreds of events around the world. Above all, we hope to provide a comfortable user experience.

1.5   Risk Definition

Currently there is a slight risk for us to invest money on this website as we don't know yet if it is going to be beneficial for us.

Chapter 2

Overall Description

2.1   User Classes and Characteristics

In our website there will be two type of user. Primary user and Secondary user. All the visiting persons of our website will be our primary user and there will be admin of our website who will be the secondary user.

A primary user will able see the content of our website, post on our website and delete his/her post from the website. Primary user will also be to track the event location. A secondary user will be able to control the website. He/ She will be able delete any post of a user if necessary, block a user from the website.

A user must open an account on the website with his email id to get access to the website.

2.2   User Needs

Basically a user will want to post about their institution's upcoming event and location on the website. He/ She may also want to post the picture of their banner on the website. Visiting user could want to about the event location. User could also want to comment on an event's post and delete his/ her post or comment from the website. Some user may want a past and upcoming events chart where all the past and upcoming events will be shown.

A user may want to access the website from pc, tablet or phone as it is supposed to be a responsive website. And our goal is to build a website which will have a user friendly graphical interface with all of a user's need.

2.3 Operating Environment

As we are going to build a responsive web application, our application will able to run on any operating system and device that supports HTML5, CSS3, Bootstrap, Django(Python).

2.4 Constraints

Currently the only constraint of our project is lack of money as we would like have our own dedicated server for the website.

2.5 Assumptions

Device screen size: There could be different size or type of monitor in future. We may need to change the interface of our website.

Input type: We have always assumed that everybody uses a mouse, and most designs we see of any complexity continue to ignore alternative ways of interacting. People who had to use a keyboard for any reason had a very hard time interacting with a lot of our sites. With the advent of tablets and phones there is really no excuse for not thinking about accessibility to your website for users without a mouse. In particular, mouse over interactions are completely dysfunctional on most touch devices.

Internet speed: The quality of internet speed is increasing day by day. Most of the people use broadband, wi-fi, mobile cellular data to browse the internet. Our website is depended on these systems. But some new system of internet might come. And then we might need change the program of our website.

Calibration of monitors: All web designers worth their salt were always aware of the problems with the monitors that the standard web user was faced with. Most monitors which are not used by web professionals don't display colors accurately, and a lot are just plain bad quality.

Mobile phones generally have some very reasonable screens, until you start using them outside in the sunshine. If you're lucky you will be able to read content, but there's no way you will be able to grasp any subtleties such as gradients in low-contrast designs. More and more people are seeing a subpar color palette due to the device dispersion which is happening in the market, as we speak!

Chapter 3

Requirements

3.1 Functional Requirements

As a User	I want to	So that
Event poster	sign in/sign up to the website	User can post about the upcoming event in my institution
Event poster	pin the location of the event	One can easily find the location
Event poster	set the category of the event, name of my institution	One can easily find the topic and institution he/she finding for
Registered user	comment below a post about any query	User can have discussion about any query
Normal user	find the update without signing up/signing in	User don't need to register to the website
Normal user	search about any requirement on the search option	User don't go through all the other unnecessary events

As a Admin	I want to	So that
Moderator	delete inappropriate content	Admin/I can maintain the rules and regulation of the website
Moderator	block any person	he/she can't violate the website's environment

3.2   Non Functional Requirements

Performance Requirements
- Performance of the system should be fast and accurate.
- System shall handle expected and unexpected errors.
- Should be able to handle large amount of data

Safety Requirements
- Must be two servers one main server and backup server.

Security Requirements
- User authentication and validation of members using their unique member ID.
- Proper accountability which include not allowing a member to see other members account.
- Only administrator will see and manage all members account.
- Proper user authentication should be provided.