**UNIVERSITY OF CAPE COAST**

**SCHOOL OF PHYSICAL SCIENCE AND AGRICULTURAL SCIENCES**

**DEPARTMENT OF COMPUTER SCIENCE AND INFORMATION TECHNOLOGY**

Human Computer Interface, CSC 312

**Team 11**

Group project members:

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**Task 2:**

TITLE

VOLERE SOFTWARE REQUIREMENT SPECIFICATION(SRS) FOR UNIVERSITY OF CAPE COAST WEBSITE.

Question 1

1. The system shall display current news and relevant information about the university to reach out its stakeholders.
2. The system shall provide information about the colleges, faculties and their various departments.
3. The system shall provide a search area for exploration.
4. The system shall takes provide area for comments and feedback (FAQ).
5. The system shall provide admission list.
6. The system shall allow online application.
7. The system shall provide links to student services such as portal, academic calendar, electronic learning.
8. The system shall be responsive.

Question 2

Introduction

This is a software requirement specification of the project, University website mainly University of Cape Coast website. This system emphasizes on provision of relevant and detailed but precise information about the university to reach out its audience.

* 1. **Goals and Purpose**

1. The project is intended for making for making current useful information available to the public audience.
2. To provide relevant current information to a wide audience.
3. It should be able to impart enough information and understanding.
   1. **The Stakeholders / Target**
4. Students
5. Lecturers
6. Administrator
7. General public
8. **Mandated Constraints**
   1. Constraints
9. The computers must be equipped with web browsers such as Google chrome and Internet explorer.
10. The product must be kept in such a way that allows users easy access to it
11. Response time for loading the web page should take no longer than one minutes.
12. A general knowledge of basic computer skills is required to use this system.  
    1. Implementation environment
13. Java Script
14. Html, CSS
15. Sublime text code editor
16. Google Chrome
17. Cloud hosting
18. **Scope of Work.**
    1. Work partitioning

Planning – 1 week

Layout Design – 1 week

Graphic Design – 2 weeks

Implementation and coding – 5 weeks

Testing – 1 week

Maintenance and support – 2 weeks

* 1. Work context
     1. navigations

1. Web pages will be able to load completely within 10 seconds on a 56k dial-up connection.
2. The user will drill down a maximum of 3 screens from either the home page or a tier 3 page.
3. Clicking the logo on subordinate pages will navigate back to the home page.
4. Forward and Back buttons will be compliant with selected web browser (Internet Explorer, Mozilla Firefox, Netscape)
5. Navigation bars will appear at the top and/or left side of each page.

vii. The site will include “bread crumbs” on tier 1 and 2 pages.

viii. Scrolling will be needed on the home page.

ix. The home page will have links to other associated pages.

xii. All pages will retain same navigation features as associated.

xvii. A footer will be displayed on the homepage which will include the university contact telephone, email the university logo and it associated social media links such facebook, twiter and linkedin.

* + 1. Logo

1. The college logo will appear at the top of each official University page.
2. The college logo will be transportable.
3. The college logo will be in a format that allows smooth resizing.

3.2 Theme:

i. The official Colleg page will display the school colors (using the standard hexadecimal coding).

ii. Consistent font style for content.

iii. Consistent paragraph and numbering scheme.

1. **Functional and Data Requirements**
   1. Functional Requirement
2. The system shall allow students to access their portal
3. The system shall allow online application
4. The system shall display the current news and information about the university
5. The system shall display the admission list of students
6. The system shall allow FAQ
7. The system shall provide a search button for explorations
8. The system shall be responsive.

System Modeling

* + 1. Use Case Diagram

University of Cape Coast

<<include>>

Student

<<include>>

Lecturer

Admin

* + 1. Sequence Diagram

Admin

Website

User

Manages contents

Apply online

Accesses portal link

View and read contents

Updates contents

Produces contents

Use URL

1. **Non-functional Requirement**
   1. Usability Requirement

5.1.1 Graphic User Interface (GUI)

i. The system shall provide a uniform look and feel between all the web pages.

ii. The system shall provide digital images. The system shall provide use of icons and toolbars.

1. The website shall include quality learnability of the user.
2. The site shall provide friendly environment for all that goes to the site
   * 1. Accessibility
        1. The system shall provide handicap access.
        2. The system shall provide multi language support.
   1. Look and feel requirement
      1. The website shall contain images.
      2. The system shall contain suitable font choices for various pages
      3. The website could have unique and nice styling
      4. The site shall require movement and response to dynamic components like dropdown, menus, bottoms and galleries.
      5. The site shall have outstanding color scheme to standard out things
      6. The information on the pages shall be brief and concise .

* 1. Performance requirement

1. Since this software is going to web – based, it does require a powerful server machine with high band internet access. Server machine should have a powerful CPU and high-speed internet access so that it can handle multiple users at the same time.
2. Another performance requirement is the storage space. Performance requirement by the user side is, web application should be developed as a lightweight web app so that it can work on almost any platform even with slower internet connections.
3. Expected number of simultaneous user should be at least 100. System should be able to deal with 100 users at the same time.
4. Also database of the system should handle at least a thousand of users at any periods.

User Training

Users do not require any special to be able to use the website. But it only requires the user to have a smart device and internet access