

University Social Network Platform

Introduction

Social media platforms have upsides and downsides. But if we use these platforms in a right way we can obtain many benefits from them. So, in here a new social media platform is introduced to share our thoughts and opinions with others. In this project we try to implement a social media platform for Sabaragamuwa University of Sri Lanka. This project will be very helpful to share new ideas and thoughts within users quickly. As well as users can get help from the community for their doubts and problems through this platform. Users can share their interests, thoughts and events which take place inside university through their user accounts. Users can create their profiles by providing university email address and a password. Users can view story thread which includes all students' posts. Students/users can show their interest about other posts by clicking interest button. As well as users can provide their own opinion, thoughts about other user stories through story chat.

Functionalities

1. User/Student

- a. Can create user account using their university email id
- b. Can post their thoughts to story thread
- c. When create stories they can use letters, symbols and include one picture
- d. Can view other posts through story thread
- e. Can post own opinions on other's posts via story chat
- f. Can update their own profiles
- g. Can delete their own profiles

2. Administrator

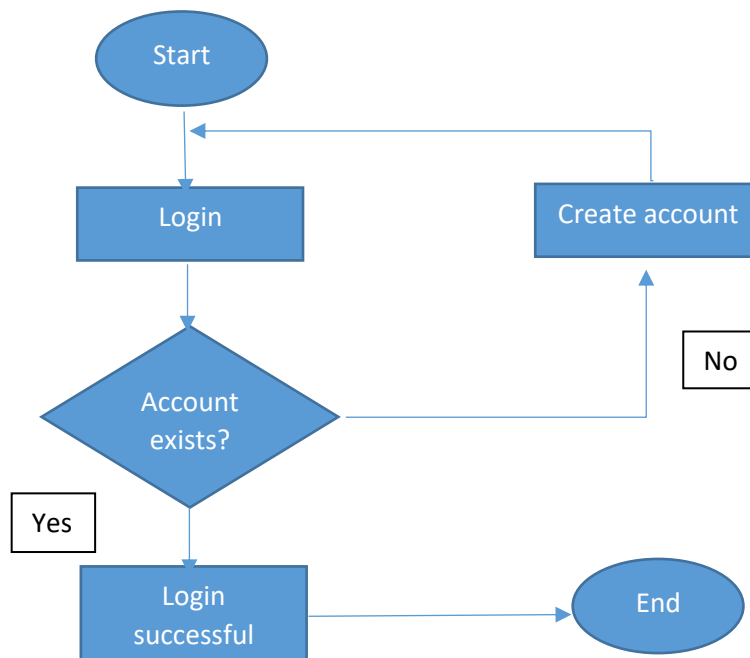
- a. Can remove existing students
- b. Can remove user posts
- c. Can post announcements

- d. Can list down all users
- e. Can add new students
- f. Can view story thread

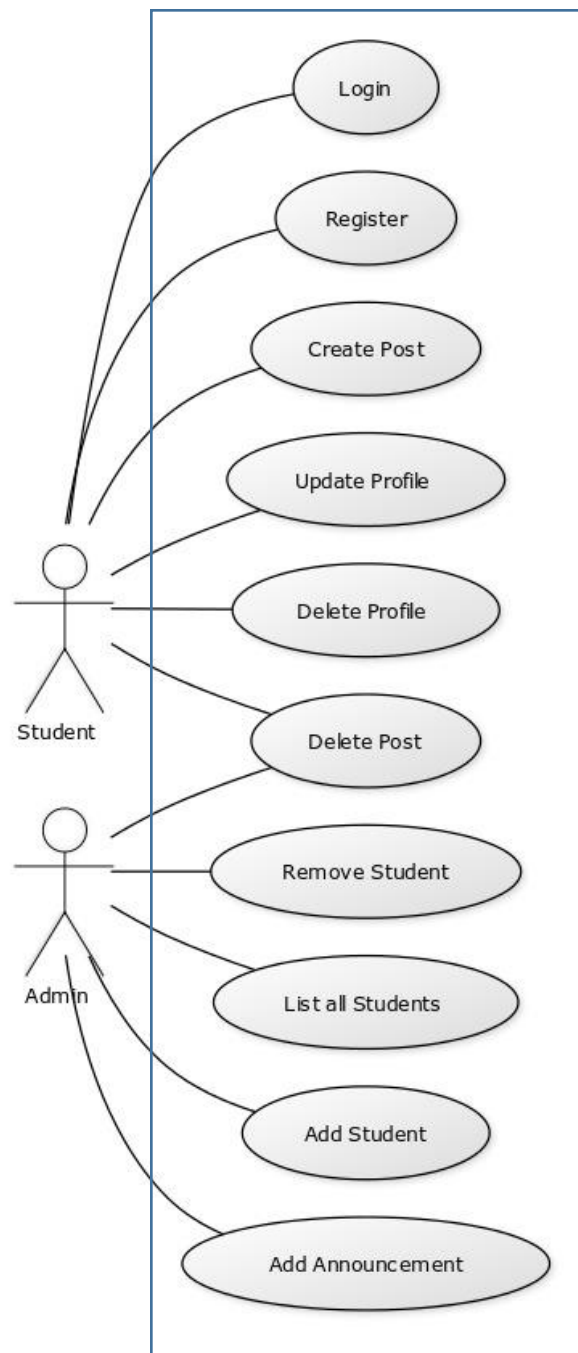
User Roles and their Permissions

Users	<ul style="list-style-type: none"> • Create, update, delete own stories • Create, update, delete own account • Can view other posts
Admins	<ul style="list-style-type: none"> • Create, delete users and their posts • Can view, delete user posts • Can post announcements

User Login/Registration flow chart



Use Case Diagram for Admin and Student



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System Entities

1. Student – Student is the user of the system
2. Administrator – Admin will manage the system. Admin has all the privileges over students and post.
3. Post – Post will contain post id and post contents. When post is publishing all the post data will be saved with the respective student details
4. Announcement – Contain announcements created by administrator

Technical Requirements

- Operating system: Windows 10
- Programming Languages: Java, JavaScript
- Other Technologies: HTML, CSS, Hibernate, Spring Boot, Docker, GitHub
- Software: IntelliJ IDEA, Visual Studio Code, WampServer, Chrome web browser, Command line tool

Project Timeline

The project will take approximately 7 weeks, from the date of confirmation. The timeline and process steps are listed below:

1. First Step: week 1
 - Domain Analysis – analysis of the selected domain
2. Second Step: week 2, 3, 4
 - Design system functionalities
3. Third step: week 5
 - Design system UI
4. Fourth Step: week 6, 7
 - System testing and deployment