Project Plan

Group 10

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Project Overview

The title of the project is "Campus Event Management System".

Managing campus events and informing about them to students can be difficult. Using methods like emails or flyers usually doesn't reach everyone interested in events. This project aims to solve this problem by creating an event management system that is easy to use for teachers to create events and for students to find them, RSVP for them, and to get reminded of them.

The intended users are students and teachers to find events, RSVP, and track participation for them.

Main features/components of the system:

Event list:
Displays a list of upcoming events, such as workshops, seminars, and extracurricular activities.

RSVP:
Allows users to RSVP for events found in the event list.

Participation tracking:
Allows users to track participation in events

Event notifications and reminders:
Sends notifications and reminders to users regarding the events.

Event creation:
Allows teachers to create new events.

Project objectives (SMART)

Specific:
Develop a system for managing campus events with functionalities such as event lists, RSVP, participation tracking, and event creation.

Measurable:
The system should reduce the time taken for event management-related tasks.

Achievable:
To achieve this, we will use technologies such as JavaFX and MariaDB for the user interface and database management.

Relevant:
This system is important for overcoming the current challenges in managing events and informing about them to students.

Time-bound:
The project will be completed within 8 weeks. This includes planning, implementation, testing, and deployment.

Scope and deliverables

Scope:

Included:
- Event list with functionality to RSVP
- Notification and reminded system
- Participation tracking
- Event creation functionality for teachers

Excluded:
- Mobile version
- recommendation engine

Deliverables:

Campus event management system application:
A functional JavaFX application that uses MariaDB.

Database:
A MariaDB database to manage events, users, and RSVPs.

Documentation:
A user manual and other documentation for the application.

Test results:
Includes unit testing, integration testing, and user acceptance testing.

Project Timeline

The timeline of the project is 8 weeks, which is divided into 4 sprints.

Resource allocation

Team members:

Eemeli Ponkilainen (developer)
Joonas Ronimus (developer)
Juho Simpanen (developer)
Jesse Nieminen (developer)

Software, hardware, and tools:

JavaFX for UI development

MariaDB for database management

IntelliJ IDEA as the IDE

Risk management

Delayed on deliverables
- Likelihood: Mid
- Impact: High

The strategies used to reduce the possibilities of risks include progression tracking with Trello. If a task with a deadline hasn't progressed as expected, more help can be given to sort out the issue.

Software challenges
- Likelihood: Mid
- Impact: Mid

To reduce the risks we must reserve more time on testing and for research. This will allow us to mitigate the bugs or technical difficulties in the project.

Testing and quality assurance

Testing types:

Unit testing:
Testing individual components, such as the notification/reminder functionality.

Integration testing:
Testing the interaction between the UI and the database.

User acceptance testing:
Testing how the system works in real use.

Documentation and reporting

Technical documentation will be made after the project is ready.

Reporting will be done in Zoom after each sprint with the product owner. We inform you how we have advanced towards project goals, which parts of the project are postponed, what has been done so far and are we on schedule.