Project Management Plan

Brendan College, Alejandro Fernandez, Charles Karlson, Samantha Maddox

Project 1: Group Matching App

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Contents of this Document

Project Overview: myMeet is an interest-matching social media application. Users are able to match with other users based on their interests, as well as message and friend those other users. Users can also create and join groups centered around their interests, and message with other users in their group's chatroom. Users or groups can also create and join events, and see pictures from events they have attended.

Applicable Standards

- Standard Java naming conventions (https://www.oracle.com/java/technologies/javase/codeconventions-namingconventions.html)
- Header comments describing each method
- Maximum 1 GB for any single file
- The above may change as the realities of programming become more apparent

Deliverables

Artifact	**Due Dates**
Individual Weekly Progress Reports	Weekly (Fridays) submission throughout the semester through webcourses
Concept of Operations	9/17/21
Software Project Management Plan (SPMP)	9/17/21
Software Requirements Specification (SRS)	9/17/21
High-Level Design	9/24/21
Detailed Design	10/1/21
Test Plan	10/15/21
Test Results	10/22/21
Source, Executable, Build Instructions	12/1/21

Software Life Cycle Process: The Agile software model will be followed due to the relative small size of the team, and their inexperience compared to industry expectations. Working code will be preferred over detailed documentation, and frequent meetings will be needed to ensure integrity of the project.

Tools and Computing Environment: Programming will occur in Java 11 (LTS) on Windows 10 utilizing Eclipse. It will be compiled with OpenJDK 11.0.11. It will be assumed that any libraries offered by Oracle may be used. Swing will be used for GUI elements. More libraries may be used as the project progresses.

Configuration Management: Git will be used for version and change control, with the project being hosted in a GitHub repository. Each developer will be responsible for a certain set of class documents.

Quality Assurance: Each developer will be responsible for ensuring programmed methods and classes are consistent and functional. The QA manager will ensure all classes work in conjunction with the database. Results will be reported to the group as a whole. Project and QA managers are responsible for ensuring compliance.

Risk Management: Time management will be a key factor due to the programmers' inexperience. Nobody must be able to remove database entries they are not authorized to, and myMeet will be programmed to not allow such action. Safeguards will be put in to arrest predatory behavior.

Table of Work Packages, Time Estimates, and Assignments: It is unknown to the developers how such work packages will be distributed amongst the team. This section will be updated at a later date.

Technical Progress Metrics: Modules will be worked on until the module produces the expected output. Developers will distribute work amongst themselves and verify work with the project manager. It will be determined by all members of the group if progress is being made at specific steps.

Plan for tracking, control, and reporting of progress

Weekly group meetings will be conducted on Fridays detailing the progress made that week, and which tasks are to be done the next week. GitHub will be used for documenting and tracking completeness of modules. Discord and SMS will be used for communicating issues and concerns. Progress reports will be worked on during the weekly sessions and posted to Webcourses.