# CEN4010 Principles of Software Engineering

### Spring 2021

# Milestone 1 Project Proposal and High-level Description

## Group 2: Team Rocket

## Project name: *Apollo Melodies*

### Team Members

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### Date: 2/16/2021

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| --- | --- |
| Revision Number | Date |
| 1.0 | 2/16/2021 |

1. Executive Summary

Stuff

2. Competitive Analysis

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | Feature 1 | Feature2 | feature3 | feature4 | feature5 |
| Apollo Melodies | ✅ | ✅ |  |  |  |
| Competitor 1 |  |  |  |  |  |
| Competitor 2 |  |  |  |  |  |
| Etc |  |  |  |  |  |

Summarize advantages or competitive relationships to what is already available.

3. Data Definitions

Music quiz - A series of multiple choice questions related to the series of songs that are played on the webpage.

Score - the total amount of right answers a user has achieved on the quiz which is stored in their profile database.

4. Overview, Scenarios, Use Cases

Stuff

5. Initial High-Level Functional Requirements

1.

1.1

2.

2.1

6. List of Non-Functional Requirements

Stuff

7. High-Level System Architecture

7.1 Overview

In this section of the proposal,we will detail the technology stack used to implement the software solution. All tools from the hardware to the client-facing GUI will be detailed. The supporting technology will be configured as an ecosystem where this or multiple applications (or application components) can share real time access to the underlying databases

7.2 Hardware

The hardware which will host the application is a LAMP server provisioned by Florida Atlantic University for our group to use. This Linux server implements Apache, MySQL, and PHP Application development environments (hence L.A.M.P.). No other hardware will be used to implement the application.

7.3 Database Utility

To build the application databases, we will use the MySQL implementation on the LAMP server. One database will be developed and tables will be created for member data, activities, and administrative needs. This database will be relationally implemented. The unique key and relational key for all database tables will be the unique user ID.

7.4 Server-Side Scripting

In order for the application into interface between the client-facing GUI and the database, PHP will be used to perform the server-side scripting.

7.5 Client-Side Scripting

7.6 “Eye-Level” Graphical User Interface (GUI)

8. Group 2: Team Rocket

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About Us

<https://lamp.cse.fau.edu/~cen4010_s21_g02/>

9. Checklist

|  |  |
| --- | --- |
| Method of Communication Decided | DONE |
| Team Found a Timeslot to Meet | DONE |
| Front and Back End Team Leads Chosen |  |
| Github Master Chosen | DONE |
| Team Ready/Able to use front/back-end Frameworks |  |
| Skills of Team Members Defined and Known by All | DONE |
| Team Lead ensured final M1 Reviewed by All | On Track |