SW Engineering Fall 2021

[FAU: CEN4010]

ETL (Easy to Lift)

Group: 13

Muhammad Dagra (Team Lead)

Team Members  
Julio Berrocal

Jamal Grant

Madan Shrestha

Joao Staziaki

Milestone 1

September 28th, 2021

7 - High-Level System Architecture

1. Lamp.cse.fau.edu: The FAU Lamp server is a Linux Apache MySQL [LAMP] server that is used in a variety of web classes. It provides access to the following facilities. We will be using the following.  
     
   -MySQL (for database development)  
   -PHP (for web-based development)  
   -Apache (for web-based development via PHP)
2. Visual Studio Code: IDE: Visual Studio is a source code editor made by Microsoft. We will be using it primarily for Full-Stack development. Some of the Languages that will be used are:  
     
   - Hyper Text Mark-up Language (HTML): This Language will allow the browser to display the website.  
   - Cascading Style Sheets (CSS): This language will be used to style the web pages.  
   - Bootstrap: This is a framework that will be used for code construction. This will enable our website to display correctly in many different devices and aspect ratios.  
   - JavaScript: JS will be used on client-side. It will allow us to make the web page interactive.  
   - Personal Home Page (PHP): PHP will be the language used for the server-side functionality.
3. PHPMyAdmin: It is an open-source administration tool for MySQL as a portable web application. We will be using Database purposes.
4. GitHub: Is a provider of Internet hosting for software development and version control using Git. We will be using it to collaborate with each other during the code construction.
5. ExerciseDB API: ExerciseDB, created by Justin Mozley, is an API that contains many different exercises for body parts and targeted muscles.
6. Browser Compatibility: Our Website will be a web-based web app that will operate on the major browser. Google Chrome, Mozilla Firefox, Safari and Microsoft Edge.

8 – Team Members & Roles:

Julio Berrocal (Scrum Master, Full-Stack Developer, Jira Master)

Muhammad Dagra (Product Owner, Front-End Developer, GitHub Master)

Jamal Grant (Front End developer)

Madan Shrestha (Back-End Developer)

Joao Staziaki (Back-End Developer)

1. – Checklist
2. Team decided on basic means of communications (DONE)
3. Team found a time slot to meet outside of the class (DONE)
4. Front and Back-End team leads chosen (ON TRACK)
5. Github Master chosen (DONE)
6. Team ready and able to use the chosen back and front-end frameworks (ON TRACK)
7. Skills of each team member defined and known to all (ON TRACK)
8. Team lead ensured that all team members read the final M1 and agree/understand it before submission (DONE)