Software Project Management
Mini Hackathon
March 16, 2023

Group 7

Kris Biswa-1007555321
Abdullah Khan-100755624
Negeega Latif-100791489
Shahab Zafar-100707245
Meet Patel-100785841

Introduction

This report details the best implementation of accessing the Cocktails DB API on a webpage. The two approaches available are either using a custom PHP server to retrieve queries through the API, or to use JQuery Javascript.

Background

It is crucial to carry out a feasibility analysis to ascertain the project's viability before starting to develop a web page or pages to access the Cocktails DB API. The accessibility and dependability of the API itself is one of the most important things to take into account. Developers will probably have access to the API because it is free to use, but it is crucial to make sure that the API is current and offers reliable data. The technical specifications for creating the web page or pages and making sure the application is effective and user-friendly should also be taken into account.

JQuery is a popular JavaScript library that offers a variety of benefits to web developers. One of the key advantages of jQuery is that it simplifies complex JavaScript tasks by providing a range of pre-built functions and methods that can be easily integrated into a project. Additionally, jQuery is designed to be cross-browser compatible, meaning that it can work seamlessly across different web browsers. jQuery also provides features and functions that can be used to enhance the user interface of a website or application, such as animation effects and drag and drop functionality.

On the other hand, PHP can be run on servers and thus are more accurate in simulating functionality across the web. In this case, PHP can prioritize security and keep data across multiple pages through global arrays.

Scope

The scope of the project is to create a user-friendly web page/pages that will allow users to access the Cocktails DB API and search for cocktail recipes, images, and ingredients. The web page/pages will include three main features: searching for cocktails by name, searching for ingredients by name, and looking up full cocktail details by ID.

Team Members:
Abdullah Khan - Adequate PHP Server
Shahab Zafar - Project Management and Documentation
Kris Biswa - Front End
Meet Patel - Front end Development (HTML, CSS, JavaScript)
Nabeega Latif - Expertise in JQuery

Conclusion:
Because most of the team is familiar with local development, and JQUERY simplifies server
requests and runs on HTML, a local script, it is more feasible to run the JQUERY method as the
optimization of team members is maximized using JQUERY (only one team member uses PHP).