Introduction

Social media is increasingly becoming more popular with the rise of technology through phones and ease of access. As Facebook has over 2.3 billion users and other social media sites being used by more than two-thirds of internet users and is still growing (Ortiz-Ospina, 2019). This shows that there is a growing demand for users to exchange everyday experiences, photographs, and establish connections with one other (University of Cumbria, 2019). Echo Gallery is designed to be a new social media platform offering a space for users to post and appreciate images shared by their peers. Additionally, it fosters a sense of community by enabling users to interact through comments and likes on shared content. Developing this project required an in-depth analysis of the Software Development Life Cycle (SDLC) methodologies and executing the Agile model successfully and consistently. This report delves into the specific phases of the Agile methodology that were employed and details their implementation throughout the course of the project development.

Software Development Life Cycle

The 6 stages of the SLDC are as follows:

* Plan
* Requirements Analysis
* Design
* Implementation
* Testing and Integration
* A diagram of software development cycle

  Description automatically generatedMaintenance

Agile SDLC Diagram (Pinheiro, 2018)

The SDLC is an industry standard, each stage of the SDLC is as important as the next, it provides a clear roadmap for the entire software development process, which, according to (Development, 2023) is essential for ensuring a well-orchestrated development process. Failure to follow all the stages and simply start product development without a pre-established guide, can lead to the project not being carried out properly also the final project can be plagued with errors. Consequently, leading it to not have the favouritism of the public and thus all the work done was forgotten and not worth it. Hence, the following of the SDLC stages is not just about adhering to best practices but ensuring that the end product stands the test of market viability and user satisfaction.

Plan

Requirements

Design

Implementation

Testing and Integration

Maintenance

Issues

-Deleting comment and image

-When editing categories, it would appear twice

Reflection

What to implement next:  
add delete comments, allow user to add user names instead of just their emails, see who liked the image, allow administrators to delete any image. Following users. Private profiles that only select users can see. Allow users to upload more than one photo at a time

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