Project Plan

GiftPal – The Ultimate Gift Exchange and Reminder App

Submitted in fulfillment

Of the requirements of

CMSC 495 Current Trends and Projects in Computer Science

(Group Project)

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| **Document ID** | GiftPal Project Plan -v1.0 |
| **Version Number** | 1.1 |
| **Due Date** | March 28, 2023 |
| **Classification** | Public |
| **Instructor** | Hung Dao |
| **This submission is by** | Bazz Khurshid, Graham Primm, Kalala Kalamba, Nicholas Sink |

Revision History

|  |  |  |  |
| --- | --- | --- | --- |
| **Date** | **Version** | **Description** | **Author (s)** |
| 03/25/2023 | 1.0 | Draft Version | Graham Primm, Nicholas Sink |
| 03/27/2023 | 1.0.1 | Revised (Topic Paragraph, Name, Schedule for revisions, grammar on schedule) | Bazz Khurshid, Kalala Kalamba |
| 03/27/2023 | 1.1 | Finalized Project | All |

PROJECT PLAN

# Requirement Specifications

The topic of our project is an application that tracks your loved one's special dates and their wish lists. We have also added gift exchange functionality to our application. Our application will send emails reminding the user of their loved one's special dates and send emails informing users who they are paired with for the gift exchange and some suggestions of what to get them as a gift.

Project Requirements are listed in the added Project Requirements Document

# System Specification

* Development Platform
  + CPU: Broadcom BCM2711, Quad core Cortex-A72 (ARM v8) 64-bit SoC @ 1.8GHz
  + RAM: 4GB LPDDR4-3200 SDRAM
  + Storage: 16GB microSD card
  + Operating System: Raspberry Pi OS kernel version 5.15
  + Python: Version 3.10
  + IDE: Thonny Python IDE version 4.0 or equally compatible IDE
* Operating Platform
  + CPU: Broadcom BCM2711, Quad core Cortex-A72 (ARM v8) 64-bit SoC @ 1.8GHz
  + RAM: 4GB LPDDR4-3200 SDRAM
  + Storage: 16GB microSD card
  + Operating System: Raspberry Pi OS kernel version 5.15
  + Python: Version 3.10

# Software Management

Version control will be handled through GitHub, the project repository is:

<https://github.com/Samagoue/UMGC_CMSC495_SPRING_2023_GP2>

This will allow for team members to easily manage and share their code with others, track changes, and manage conflicts. Using GitHub for software versioning, development can be streamlined, and software bugs can be quickly identified and remediated.

# Project Schedule

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Task** | **Duration** | **Start Date** | **End Date** | **Personnel** |
| Project Requirements (PR): | 7 | 3/22/2023 | 3/28/2023 |  |
| a) PR Writing | 4 | 3/22/2023 | 3/25/2023 | Bazz, Kalala |
| b) PR Review | 2 | 3/26/2023 | 3/27/2023 | Bazz, Kalala |
| c) PR Revision | 1 | 3/28/2023 | 3/28/2023 | All |
| Project Plan (PP): | 7 | 3/22/2023 | 3/28/2023 |  |
| a) PP Writing | 4 | 3/22/2023 | 3/25/2023 | Graham, Nicholas |
| b) PP Review | 2 | 3/26/2023 | 3/27/2023 | Graham, Nicholas |
| c) PP Revision | 1 | 3/28/2023 | 3/28/2023 | All |
| Project Analysis (PA): | 7 | 3/29/2023 | 4/04/2023 |  |
| a) PA Writing | 4 | 3/29/2023 | 4/01/2023 | Graham, Kalala |
| b) PA Review | 2 | 4/02/2023 | 4/03/2023 | Nicholas |
| c) PA Revision | 1 | 4/04/2023 | 4/04/2023 | All |
| Project Design (PD): | 7 | 4/05/2023 | 4/11/2023 |  |
| a) PD Writing | 4 | 4/05/2023 | 4/08/2023 | Graham, Bazz |
| b) PD Review | 2 | 4/09/2023 | 4/10/2023 | Nicholas |
| c) PD Revision | 1 | 4/11/2023 | 4/11/2023 | All |
| Test Plan (TP) & ICD: | 7 | 4/12/2023 | 4/18/2023 |  |
| a) TP Writing | 4 | 4/12/2023 | 4/15/2023 | Graham, Nicholas |
| b) TP Review | 2 | 4/16/2023 | 4/17/2023 | Kalala |
| c) TP Revision | 1 | 4/18/2023 | 4/18/2023 | All |
| Sprint 1 | 7 | 4/19/2023 | 4/25/2023 |  |
| Data storage | 7 | 4/19/2023 | 4/25/2023 | Graham |
| Data entry | 7 | 4/19/2023 | 4/25/2023 | Nicholas |
| Data display | 7 | 4/19/2023 | 4/25/2023 | Kalala |
| User Interface | 7 | 4/19/2023 | 4/25/2023 | Bazz |
| Sprint 2 | 7 | 4/26/2023 | 5/02/2023 |  |
| UI enhancements | 5 | 4/23/2023 | 4/30/2023 | Graham |
| Editing functions | 5 | 4/23/2023 | 4/30/2023 | Kalala |
| Event handling | 5 | 4/23/2023 | 4/30/2023 | Bazz |
| Misc. features/bugs | 2 | 4/31/2023 | 5/02/2023 | Nicholas |
| Final Sprint | 5 | 5/03/2023 | 5/07/2023 |  |
| Functionality testing | 5 | 5/03/2023 | 5/07/2023 | Graham |
| Entry error handling/testing | 5 | 5/03/2023 | 5/07/2023 | Nicholas |
| Display error handling/testing | 5 | 5/03/2023 | 5/07/2023 | Kalala |
| Event Handling/testing | 5 | 5/03/2023 | 5/07/2023 | Bazz |
| Final Review | 2 | 5/08/2023 | 5/09/2023 | All |