Project Requirement

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 Requirement -v1.5 |
| **Version Number** | 1.5 |
| **Due Date** | May 07, 2023 |
| **Classification** | Public |
| **Instructor** | Hung Dao |
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**Revision History**

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| --- | --- | --- | --- |
| **Date** | **Version** | **Description** | **Author (s)** |
| 03/21/2023 | 1.0 | Draft Version | Kalala Kalamba |
| 03/23/2023 | 1.0.1 | Added Function Requirements | Bazz Khurshid |
| 03/25/2023 | 1.0.2 | Reviewed and edited function requirements, adding function requirements about the gift exchange functionality | Kalala Kalamba |
| 03/25/2023 | 1.0.3 | Reviewed and edited function requirements to ensure language of storing, thus ensuring use of database allowed without being explicit | Nicholas Graham |
| 03/27/2023 | 1.1 | Finalization of SRS | All |
| 04/02/2023 | 1.1.1 | Specifying in the requirements how to create a group | Bazz Khurshid |
| 04/02/2023 | 1.1.2 | Specifying how the system shall select a gift receiver and a pair | Bazz Khurshid |
| 04/02/2023 | 1.1.3 | Specifying the precondition of when the system shall remove the selected receiver from the list of unselected recievers | Bazz Khurshid |
| 04/02/2023 | 1.1.4 | Specifying the precondition of when the system shall send a list of gift suggestions | Bazz Khurshid |
| 04/04/2023 | 1.1.5 | Specifying what the group name is referencing | Bazz Khurshid |
| 04/04/2023 | 1.1.6 | Deleted selection verbiage from requirement 14 | Bazz Khurshid |
| 04/04/2023 | 1.1.7 | Specifying that the admin is a group admin | Bazz Khurshid |
| 04/04/2023 | 1.1.8 | Added pre-configured list to requirement 27 | Bazz Khurshid |
| 04/04/2023 | 1.2 | Final Review | All |
| 05/06/2023 | 1.2.1 | Modified requirement 14 | Bazz Khurshid |
| 05/06/2023 | 1.3 | Modified Requirement 16 | Bazz Khurshid |
| 05/07/2023 | 1.4 | Modified Requirement 6 | Nicholas Sink |
| 05/07/2023 | 1.5 | Modified Requirement 27 | Nicholas Sink |

**Topic**

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.

**Requirement**

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| **Requirement #** | **Description** |
| 1 | This system shall allow users to register themselves. |
| 2 | This system shall allow users to create or register with a group by answering a prompt response once they have registered themselves as a user. |
| 3 | This system shall keep track of anniversary dates. |
| 4 | This system shall keep track of birthdays. |
| 5 | This system shall keep track of customized important days. |
| 6 | This system shall keep track of a wish list for the user. |
| 7 | This system shall allow users to store their email. |
| 8 | This system shall allow users to store their name. |
| 9 | This system shall allow users to store the name of their loved ones. |
| 10 | This system shall allow users to associate special dates with specific loved ones. |
| 11 | This system shall allow users to enter their names in a gift exchange. |
| 12 | This system shall allow users to note the gift they would like to receive. |
| 13 | This system shall allow users to identify their group name (the group name will refer to the users bundled together for the gift exchange). |
| 14 | This system shall ensure that the user and all members of their group are a part of the pool of potential givers for each other. |
| 15 | The system shall randomly and automatically select a gift receiver and pair them with a gift giver once the user tells the system they will be a part of a gift exchange. |
| 16 | This system shall send an email to the users notifying them who their gift pair is. |
| 17 | This system shall not duplicate user ids. |
| 18 | This system shall not send more than one email for every reminder or notification. |
| 19 | The system shall allow a user to register as an admin for the group. |
| 20 | The system shall allow the group admins to add, modify and delete users. |
| 21 | The system shall allow the group admin to set a minimum dollar amount for gifts. |
| 22 | The system shall allow the user to register others in their group. |
| 23 | The system shall present a menu to initiate the gift exchange. |
| 24 | The system shall allow the user to identify themselves when initiating the gift exchange. |
| 25 | The system shall remove the selected receiver from the list of unselected receivers and remove the giver from the list of givers once both have been paired together. |
| 26 | This system shall send a report showing paired givers and receivers to email addresses provided in user registration. |
| 27 | The system shall provide a system administrator account for setting the application email and API keys. |