Wishify

COSC 4P02 Group Project

Group Members:
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Agenda

- ? Problem
- Objective
- Proposed Solution
- ✓ Main Features of Application
- Software Engineering Process
- Tools and Technology
- Sprint Backlog
- Discussion of Sprint 1 & 2

Problem

Coordinating purchases as a group can be annoying.

For gift lists for Christmas, birthdays, or weddings, you want to avoid buying the same present as someone else but having to align with every individual in the group can be a tedious task.

Coordination is also required for other group events, like potlucks or large camping trips, where no item wants to be forgotten.

Objective

Develop a solution that will make group purchasing efforts easier. Whether it's for planning a group event, or for managing gift lists, the tedious inter-group communication is minimized and contributions are recorded and visible to other members.

Proposed Solution

- We plan to develop a web app where users can create a Wishlist and share it with other users.

- In a Wishlist, a user can describe their likes, dislikes and list the specific products they would like to receive.

- The application will be kept general, so it can be used for gift lists, or for event coordination.

Main Features of Application

User Registration

Wishlist Creation

Sharing Wishlist with Other Users

Mark Items off Wishlist

Wishlist Quantities

"Blind" Wishlist

Data Tracking

Software Engineering Process

The project will follow the Agile software engineering principles to quickly adapt and implement features efficiently based on changing requirements and needs. The team consists of six members who will collaborate closely with each other and stakeholders to ensure successful completion.

Tools and Technology

Version control: GitHub. We will use GitHub to host our public project repository.

GitHub page: https://github.com/Nicholas-Parise/4P02-course-project/

Project management: Jira. Jira will be used for Sprint Backlogs, Product Backlog, and Bug Tracking.

Jira page: https://nicholasparise.atlassian.net/jira/software/projects/COSC/summary

Planning: Google Drive. The Group's project documents will be kept in a shared

Google Drive folder: https://drive.google.com/drive/folders/1H5uFw_031SYkvf21KdLdkOzGt67i78vZ

Design: Figma and DrawIO. Both of these tools will be used to make mockups and UML diagrams to better understand how to make our product the best.

Communications: A Discord server has been created for group communications. All members are already a part of the server.

Front-end: React

Back-end: Node.js and Express.

Database: PostgreSQL

Sprint Backlog

The work is divided into five sprints, each spanning two weeks, to ensure a structured and agile development process.

Approach:

- Weekly Stand-up meeting to discuss progress and roadblocks.
- Weekly meetings are in the group study rooms in the library on Friday from 11:00am - 2:00pm (tentative, depending on how much time is needed).
- Sprint planning and review sessions held every two weeks assist in backlog reduction as well as assessment of the success of completed sprints.

Sprint 1

Design UI for all pages (home page, lists, profiles, events)

Finish Database UML

Setup PSQL Database

Add placeholder frontend pages (subject to change)

Sprint 2

- 👤 Sign in and Sign-up functionality

- 🏭 Setup production environment

- ⚙️ Design API specifications

- ✓ Implement Front End Sign in Pages

- 📋 Implement Front End for Home Pages

Sprint 3

Create wishlists

Delete wishlists

Set Deadline wishlists

Duplicate wishlists

Start tracking events

Front End of Wishlist Event Pages

Brainstorm Testing Framework

Sprint 4

Blind Feature

Share button for wishlists

Opt-in Notification button

Add notes to item

Sortable wishlist

Profile interests

Summary Page

Data Tracking

Testing to Features

Sprint 5

Add Starting Price to Items

Documentation

UI Finalization

Final Testing

The End