

Release Planning Document

Wishify

Course: COSC 4P02

Date: January 19th, 2025

Group Number: 12

Project Title: Wishify

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1. Introduction

Planning group purchases for occasions, delivering gifts, or participating in shared activities often results in unnecessary conflicts and miscommunication. It might be difficult to make sure that contributions are handled efficiently while organizing a wedding registry, a Christmas gift exchange, or gathering supplies for a picnic or camping trip. Without constant back-and-forth communication, it gets much harder to keep everyone notified, prevent duplication, and keep track of who is in charge of what. A simplified strategy must be taken for dealing with these issues in order to speed up the process and reduce the load of group coordination.

The demand can be satisfied by our proposed web application that provides a simple interface for making and sharing wishlists for any occasion. Clear communication between group members is made possible by the app's ability to let users list desired things, give priorities, and share interests. Real-time item tracking, labeling as reserved or purchased, and commenting to share information, such as delivery schedules, are all available to users. The platform, which was created with versatility in mind, may be used for gift lists, event planning, or any other situation that calls for teamwork. The app enables collaborative purchasing simple and organized through minimizing repeated communication and increasing transparency.

2. User Stories

ID	Title	Description	Acceptance Criteria	Priority
1	Creation of Account	As a user, I would like the ability to create/modify an account that is tied to my email, so that I can receive relevant email notifications	The user should be able to create an account The user should be able to update their account details	Highest
2	Interactive home page	As a potential user, I would like an informative home page so that I can understand the services the site offers before I create an account	The user should be able to view a homepage that describes the site The user should be able to see screenshot examples on the homepage The user should be able to view with a FAQ on the homepage	High
3	Creation of Wishlist	As a user, I would like to create or delete wishlist at will so that I can organize lists for multiple different purposes	The user should be able to create a wishlist The user should be able to delete an existing wishlist	Highest

4	Sharing Wishlists	As a regular user, I would like to easily share my wishlist by providing a link to my friends, so they can see my wishlist.	The user should be able to click a share button and get a copyable link to the wishlist	Medium
5	Product information	As an owner of a wishlist, I'd like to provide a link to a particular store where the item is being sold, so that my friend's can see what store or brand I prefer.	<p>The user should be able to attach a link to a wishlist item</p> <p>The user should be able to click the link and be redirected to the store</p>	High
6	Wishlist Items information	As a family barbecue host, I would like the ability to set quantities on items needed so that partial amounts of the same item can be purchased by different people	<p>The user should be able to specify quantities when creating an item</p> <p>Contributors should be able to select partial quantities of an item when purchasing</p>	High
7	Wishlist Prioritization	As a party organizer, I would like the ability to prioritize items on a wishlist so that group members know which items are most important to purchase.	<p>The user should be able to assign a priority level to wishlist items</p> <p>The user should be able to view priority levels on others' wishlists</p>	High

8	Sorting of Item	As a sibling to someone who asks for a lot of stuff for Christmas, I want to be able to sort a wishlist by different aspects , like price, priority, and non-contributed items, so I can look at their wishlist from different angles in order to determine what I'd like to get them.	<p>The user should be able to choose a sorting criteria from a dropdown menu</p> <p>The list should refresh and display items based on the selected criteria</p>	Medium
9	Blind Mode Toggle	As a wishlist contributor, I want to know if someone turns the "Blind" mode off , so I can know if they've looked at the list contributions. Christmas is supposed to be a surprise, but my dad keeps finding out what he's getting!	<p>The user should be able to toggle "Blind Mode" on and off</p> <p>The system should notify contributors when "Blind Mode" is disabled</p>	Medium
10	Wishlist Settings	As a party host, I would like to set a deadline for each wishlist so that contributors know when they need to purchase items by.	<p>The user should be able to set a deadline for the wishlist</p> <p>Contributors should see the deadline prominently displayed</p>	Medium

11	Wishlist Items Information	As a gift giver, I would like the ability to mark an item as “reserved” before purchasing so that others know I’m planning to buy it.	The user should be able to mark an item as "reserved" Marked items should be visible to all contributors	Medium
12	Event Summary	As an event host, I would like a summary view of items still needed so that I can see gaps in contributions at a glance.	The user should be able to view a summary page showing unpurchased items The summary should include quantities and priorities	Medium
13	Wishlist Item Information	As a spender on a wish list, I would like for products on the list to show the starting price of the product so I can decide which product to purchase based on my budget	The user should be able to see the starting price for each item Items should display price updates if available	Low
14	Notification Setting	As a user, I would like to opt-in for notifications on some of my lists when the status of an item is changed (i.e. added, removed, marked as bought, marked as intend	The user should be able to enable notifications for specific lists Notifications should be sent for relevant status changes	Medium

		to buy) so I can keep up to date with the rest of the group		
15	Event Creation	As a manager, I would like the ability to create/manage an event for all of my employees so that they can add to the wishlist what they want for the secret santa. The employee's name must be attached to the item they add.	The user should be able to create an event with a unique name Employees should be able to add wishlist items with their name attached	Highest
16	Product Recommendations	As a user, I would like the ability to set interests on my profile, so I don't get something I have no interest in	The user should be able to set personal interests in their profile Recommendations should align with the user's interests	Low
17	Product information	As a user contributing to a wishlist, I would like the option to leave a note on items I've purchased so that I can share additional details (e.g., delivery time).	The user should be able to add notes to purchased items Notes should be visible to wishlist owners Notes are <u>not</u> comments,	Medium

			there are no replies or threads	
18	Blind Mode	As a best friend to the birthday boy, I would like a blind setting meaning that my friend can view and add to the wishlist without seeing who bought what, so that he can be surprised on the day of his birthday.	The user should be able to enable a "Blind Mode" Blind Mode should hide purchase details from the wishlist owner	High
19	Most Wishlisted Items	As the site owner, I would like data tracking so that I can display "most wishlisted" items on the homepage	The system should track wishlist data The homepage should display "most wishlisted" items dynamically	Medium
20	User Contributions	As the president of the camping club, I would love a data tracking feature so that I can see which members are bringing the most items	The system should record contributions for each member The user should be able to generate contribution reports	Medium
21	Wishlist, Event and User Data	As a user, I would like all my data to be saved so I can return to the	The system should automatically save all user	Highest

	Saved	application later	data Data should persist across sessions	
22	Duplication of Wishlists	As an event planner, I would like to duplicate lists so that I can make similar lists that can be slightly modified for different groups	The wishlist management section should have a duplicate wishlist button This button should create a copy of the chosen wishlist with ~1 appended to the name	Medium

3. Product Backlog

Task	Associated User Story	Priority
Design UI for all pages (home page, lists, profiles, events)	<p>#2 - As a potential user, I would like an informative home page so that I can understand the services the site offers before I create an account</p> <p>#3 - As a user, I would like to create or delete wishlist at will so that I can organize lists for multiple different purposes</p> <p>#10 - As a party host, I would like to set a deadline for each wishlist so that contributors know when they need to purchase items by.</p>	Highest

	#15 - As a manager, I would like the ability to create/manage an event for all of my employees so that they can add to the wishlist what they want for the secret santa. The employee's name must be attached to the item they add.	
Finish Database UML	#21 - As a user, I would like all my data to be saved so I can return to the application later	Highest
Setup PSQL Database	#21 - As a user, I would like all my data to be saved so I can return to the application later	High
Implement home page frontend	#2 - As a potential user, I would like an informative home page so that I can understand the services the site offers before I create an account	Medium
Implement wishlist frontend	<p>#3 - As a user, I would like to create or delete wishlist at will so that I can organize lists for multiple different purposes</p> <p>#10 - As a party host, I would like to set a deadline for each wishlist so that contributors know when they need to purchase items by.</p> <p>#14 - As a user, I would like to opt-in for notifications on some of my lists when the status of an item is changed (i.e. added, removed, marked as bought, marked as intend to buy) so I can keep up to date with the rest of the group</p>	High

Implement signup and signin frontend	#1 - As a user, I would like the ability to create/modify an account that is tied to my email, so that I can receive relevant email notifications	High
Implement event frontend	<p>#12 - As an event host, I would like a summary view of items still needed so that I can see gaps in contributions at a glance.</p> <p>#15 - As a manager, I would like the ability to create/manage an event for all of my employees so that they can add to the wishlist what they want for the secret santa. The employee's name must be attached to the item they add.</p>	High
Design API specification	<p>#1 - As a user, I would like the ability to create/modify an account that is tied to my email, so that I can receive relevant email notifications</p> <p>#3 - As a user, I would like to create or delete wishlist at will so that I can organize lists for multiple different purposes</p> <p>#10 - As a party host, I would like to set a deadline for each wishlist so that contributors know when they need to purchase items by.</p> <p>#14 - As a user, I would like to opt-in for notifications on some of my lists when the status of an item is changed (i.e. added, removed, marked as bought, marked as intend to buy) so I can keep up to date with the rest of the group</p>	Highest

	<p>#15 - As a manager, I would like the ability to create/manage an event for all of my employees so that they can add to the wishlist what they want for the secret santa. The employee's name must be attached to the item they add.</p> <p>#21 - As a user, I would like all my data to be saved so I can return to the application later</p>	
Implement Sign-in and Sign-up Functionality	#1 - As a user, I would like the ability to create/modify an account that is tied to my email, so that I can receive relevant email notifications	Highest
Setup Production Environment	#21 - As a user, I would like all my data to be saved so I can return to the application later	Highest
Create Wishlists	#3 - As a user, I would like to create or delete wishlist at will so that I can organize lists for multiple different purposes	Highest
Delete Wishlists	#3 - As a user, I would like to create or delete wishlist at will so that I can organize lists for multiple different purposes	Highest
Set Deadline for Wishlists	#10 - As a party host, I would like to set a deadline for each wishlist so that contributors know when they need to purchase items by.	Medium

Allow Duplication of Wishlists	#22 - As an event planner, I would like to duplicate lists so that I can make similar lists that can be slightly modified for different groups	Medium
Create Wrapper Functions for Data Tracking	<p>#19 - As the site owner, I would like data tracking so that I can display “most wishlisted” items on the homepage</p> <p>#20 - As the president of the camping club, I would love a data tracking feature so that I can see which members are bringing the most items</p>	High
Blind Feature	<p>#9 - As a wishlist contributor, I want to know if someone turns the “Blind” mode off, so I can know if they’ve looked at the list contributions. Christmas is supposed to be a surprise, but my dad keeps finding out what he’s getting!</p> <p>#18 - As a best friend to the birthday boy, I would like a blind setting meaning that my friend can view and add to the wishlist without seeing who bought what, so that he can be surprised on the day of his birthday.</p>	High
Share Button for Wishlists	#4 - As a regular user, I would like to easily share my wishlist by providing a link to my friends, so they can see my wishlist.	Medium
Opt-in Notification Button	#14 - As a user, I would like to opt-in for notifications on some of my lists when the status of an item is changed (i.e. added, removed,	Medium

	marked as bought, marked as intend to buy) so I can keep up to date with the rest of the group	
Implement Note Adding on Items	#17 - As a user contributing to a wishlist, I would like the option to leave a note on items I've purchased so that I can share additional details (e.g., delivery time).	Medium
Make Wishlists Sortable	#8 - As a sibling to someone who asks for a lot of stuff for Christmas, I want to be able to sort a wishlist by different aspects , like price, priority, and non-contributed items, so I can look at their wishlist from different angles in order to determine what I'd like to get them.	Medium
Add Profile Interests	#16 - As a user, I would like the ability to set interests on my profile, so I don't get something I have no interest in	Low
Add Summary Page for Wishlists	#12 - As an event host, I would like a summary view of items still needed so that I can see gaps in contributions at a glance.	Medium
Most wishlisted data tracking	#19 - As the site owner, I would like data tracking so that I can display "most wishlisted" items on the homepage	Medium
User contributions data tracking	#20 - As the president of the camping club, I would love a data tracking feature so that I can see which members are bringing the most items	Medium

Brainstorm Testing Framework	All User Stories 1-21	High
Unit Test all Features	All User Stories 1-21	Highest
Add Starting Price to items	#13 - As a spender on a wish list, I would like for products on the list to show the starting price of the product so I can decide which product to purchase based on my budget	Low
Complete Documentation	All User Stories 1-21	Highest
Finalize UI	All User Stories 1-21	Highest
Final Testing	All User Stories 1-21	Highest

4. Sprint Backlog

- The work is divided into **five sprints**, each spanning **two weeks**, to ensure a structured and agile development process.
- **Objectives:**
 - Deliver key features progressively.
 - Ensure that all aspects of development, from UI design to backend integration and testing, are addressed within the sprint timeline.
- **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.
- **Outcome:** To keep the project on schedule and provide the planned features with high standards of quality, each sprint focuses on specific tasks that build upon the earlier work.

Sprint	Tasks
1	<input type="checkbox"/> Design UI for all pages (home page, lists, profiles, events) <input type="checkbox"/> Finish Database UML <input type="checkbox"/> Setup PSQL Database <input type="checkbox"/> Add placeholder frontend pages (subject to change)
2	<input type="checkbox"/> Sign in and sign up functionality <input type="checkbox"/> Setup production environment <input type="checkbox"/> Design API specifications <input type="checkbox"/> Implement Front End Sign in Pages <input type="checkbox"/> Implement Front End for Home Pages
3	<input type="checkbox"/> Create wishlists <input type="checkbox"/> Delete wishlists <input type="checkbox"/> Set Deadline wishlists <input type="checkbox"/> Duplicate wishlists <input type="checkbox"/> Start tracking events <input type="checkbox"/> Front End of Wishlist Event Pages <input type="checkbox"/> Brainstorm Testing Framework
4	<input type="checkbox"/> Blind Feature <input type="checkbox"/> Share button for wishlists <input type="checkbox"/> Opt-in Notification button <input type="checkbox"/> Add notes to item <input type="checkbox"/> Sortable wishlist <input type="checkbox"/> Profile interests <input type="checkbox"/> Summary page for wish lists including data tracking details <input type="checkbox"/> Start applying testing to features and pages
5	<input type="checkbox"/> Add Starting Price to Items <input type="checkbox"/> Documentation <input type="checkbox"/> UI Finalization <input type="checkbox"/> Final Testing

5. Tool Screenshots

Jira

Projects / COSC 4P02 Course project

Backlog

GJSS

Epic ▾Type ▾

000

Start sprint

...

☐

▼

COSC Sprint 1

Add dates

(7 work items)

☒

COSC-6

Design UI for all pages

TO DO ▾

-

⬆

☒

COSC-7

Finish database UML

TO DO ▾

-

⬆

☒

COSC-8

Setup PostgreSQL database

TO DO ▾

-

⬆

☒

COSC-10

Complete placeholder of home page frontend

TO DO ▾

-

=

☒

COSC-11

Complete placeholder of wishlist frontend

TO DO ▾

-

⬆

☒

COSC-12

Complete placeholder of sign up and sign in frontend

TO DO ▾

-

⬆

☒

COSC-13

Complete placeholder of event frontend

TO DO ▾

-

⬆

+ Create

7 work items

Estimate: 0

☐

▼

COSC Sprint 2

Add dates

(5 work items)

☒

COSC-14

Design API specification

TO DO ▾

-

⬆

☒

COSC-15

User / I want to create and modify accounts

TO DO ▾

-

⬆

☒

COSC-16

Setup production environment

TO DO ▾

-

⬆

☒

COSC-33

Implement frontend for sign in pages

TO DO ▾

-

⬆

☒

COSC-34

Implement frontend for home page

TO DO ▾

-

⬆

+ Create

Backlog



Q Search



Epic

Type











Backlog (21 work items)

0 0 0 Create sprint

<input type="checkbox"/>	COSC-17	User / I want to create wishlists	TO DO	-	⬆️	👤
<input type="checkbox"/>	COSC-18	User / I want to delete wishlists	TO DO	-	⬆️	👤
<input type="checkbox"/>	COSC-19	Party Host / I want to set deadlines on wishlists	TO DO	-	=	👤
<input type="checkbox"/>	COSC-20	Event Planner / I want to duplicate wishlists	TO DO	-	=	👤
<input type="checkbox"/>	COSC-21	Wishlist Contributor / I want a blind feature	TO DO	-	⬆️	👤
<input type="checkbox"/>	COSC-22	Wishlist Owner / I want to share my wishlist with a link	TO DO	-	=	👤
<input type="checkbox"/>	COSC-23	User / I want to be able to opt-in for notifications on some of my lists to see wh...	TO DO	-	=	👤
<input type="checkbox"/>	COSC-24	User / I want to be able to leave a note on items	TO DO	-	=	👤
<input type="checkbox"/>	COSC-25	Wishlist Contributor / I want to be able to sort a list by price, priority and contrib...	TO DO	-	=	👤
<input type="checkbox"/>	COSC-26	User / I want to set interests on my profile that other people can see	TO DO	-	⬇️	👤
<input type="checkbox"/>	COSC-27	Wishlist Owner / I want a summary page that shows contributions at a glance	TO DO	-	=	👤
<input checked="" type="checkbox"/>	COSC-28	Unit Test all features	TO DO	-	⬆️	👤
<input type="checkbox"/>	COSC-29	Wishlist Contributor / I would like the items on a list to show their starting price	TO DO	-	⬇️	SS
<input checked="" type="checkbox"/>	COSC-30	Complete documentation	TO DO	-	⬆️	👤
<input checked="" type="checkbox"/>	COSC-31	Finalize UI	TO DO	-	⬆️	👤
<input checked="" type="checkbox"/>	COSC-32	Final testing	TO DO	-	⬆️	👤
<input checked="" type="checkbox"/>	COSC-35	Brainstorm testing framework	TO DO	-	⬆️	👤
<input checked="" type="checkbox"/>	COSC-36	Implement frontend of event pages	TO DO	-	=	👤
<input checked="" type="checkbox"/>	COSC-38	Create wrapper functions for data tracking	DATA TRACKI...	TO DO	⬆️	👤
<input type="checkbox"/>	COSC-39	Site Owner / I would like most wishlisted items to be tracked	DATA TRACKI...	TO DO	=	👤
<input type="checkbox"/>	COSC-40	Wishlist Owner / I would like user contributions to be tracked	DATA TRACKI...	TO DO	=	👤

GitHub

<div> Nicholas-Parise Create LICENSE</div> <div>334c057 · now  15 Commits</div>		
 backend	Added backend boilerplate	12 hours ago
 frontend	added frontend directory	12 hours ago
 meeting-minutes	adding meeting notes	5 days ago
 reports	adding project proposal	5 days ago
 LICENSE	Create LICENSE	now
 README.md	Update README.md	last week

4P02-course-project

4P02 course project group 12

members

Nicholas Parise - product owner
 Geoffery Jensen - scrum master
 Stephen Stefanidis
 Justin Bijoy
 Ethan Brennan
 Anthony Medico

Links

Jira: <https://nicholasparise.atlassian.net/jira/software/projects/COSC/summary>
 Work reporting form: <https://forms.gle/ZyACRZ5QVshgq78FA>

Overview

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.

6. Team Contributions

Team Member	Contribution
All	All team members contributed equally to the discussions for: <ul style="list-style-type: none">• Database design• User story creation• Planning for next steps• Aligning the approach toward project goals
Geoffrey Jensen	Led and facilitated team meetings, ensuring effective planning and decision-making.
Nicholas Parise	Focused on Database UML creation and conducted extensive research on backend API design.
Ethan Brennan	Research on UI design and analyzed existing products to identify best practices.
Stephen Stefanidis	Key role in sprint planning and successfully configured Jira for task management. Entered User Stories into Jira.
Justin Thomas Bijoy	Documented meeting minutes with clarity and ensured proper formatting of the final document.
Anthony Medico	Handled the formatting and documentation of the project report and performed research on the React framework.

7. Challenges and Next Steps

Current challenges mostly involve finalizing the exact functionality and scope of the project. Discussing use cases/scenarios tends to lead to requiring additional features which can quickly complicate the project with functionality that ends up being out of the project's scope. In addition to discussing the features, database structure also has to be taken into account, as the smallest changes tend to require redesigning the database.

The actions we are taking for the next phase include each of us wireframing the frontend design and then presenting our ideas at the next meeting to consolidate and finalize the main design. After this meeting we can start implementing all of the frontend pages. With the features being finalized, the database will also be designed (UML) and we'll start setting the PostgreSQL database.

8. Appendices

Release Planning Meeting for Project

Meeting Minutes – 17th January 2025, 11:00 PM to 2:00 PM

Venue – Library Room STH237

Attendance –

- Geoffrey Jensen – Scrum Master
- Nicholas Parise – Product Owner
- Ethan Brennan
- Stephen Stefanidis
- Justin Thomas Bijoy
- Anthony Medico

Minutes

- **Review of Current Progress**
 - The group went over the Wishify project's idea and design creation to come.
 - To ensure alignment with the project scope, the group reviewed and completed the sprint, product, and user stories backlogs.
- **Discussion on the Release Planning Document**
 - The group discussed about how the Release Planning Document will act as a development process road map.
 - The creation of the document:
 - Setting user stories in order of importance and complexity.
 - Ensuring that the backlog of tasks is specific and actionable.
 - Collaborated during team meetings to refine and prioritize user stories.
 - Divided work to leverage individual strengths and complete the document efficiently.
 - Used team feedback to iterate on the document and ensure completeness.
- **Planning for Future Sprints**
 - The work is divided into five sprints, each spanning two weeks, to ensure a structured and agile development process.
 - **Objectives:**
 - Deliver key features progressively.

- Ensure that all aspects of development, from UI design to backend integration and testing, are addressed within the sprint timeline.
- **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.
- **Outcome:** To keep the project on schedule and provide the planned features with high standards of quality, each sprint focuses on specific tasks that build upon the earlier work.
- **Sprint 1 Goals:**
 - The first sprint will span 20th January to 31st January, focusing on implementing the opening features.
 - Complete the database setup (UML design and PostgreSQL implementation).
 - Begin front-end development for user account creation, Wishlist functionality, and event management.
 - Finalize API specifications for core features.
- **Next Steps:**
 - Assign specific tasks for the upcoming sprint based on expertise:
 - Schedule weekly progress meetings to monitor sprint progress and address roadblocks.
 - Ensure that all tasks in the sprint backlog are tested and documented.
- **Tools and Resources:**
 - Jira for task management and sprint tracking.
 - GitHub for version control and collaborative development.
 - Discord for daily communication and updates.

Next Meeting:

Kick off Sprint 1 will be held next week, 24th January 2025 and 11:00AM to 2:00PM.