

Release Document

COSC 4P02 Software Engineering II

January 12th 2025

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Project Management Tool

Github Projects

Github Projects URL:

(If there is any issue to view at the Github Projects, please email rp19ii@brocku.ca for access to the dashboard). The link is here:

<https://github.com/users/RohittPillai/projects/9>

Tools being used

- Github
- Notion/Confluence
- VS Code
- PostgreSQL
- OracleDB
- PgAdmin 4

User Stories

ID	TITLE	DESCRIPTION	ACCEPTANCE CRITERIA	PRIORITY
1	Create Account	As a new user, I want to create an account with my email and password so that I can access and save my resume templates.	Account is created with valid email and password.	High
2	Log In	As a registered user, I want to log in to my account so that I can access my saved resumes.	Login is successful with valid credentials.	High
3	Social Login	As a user, I want to log in using Google or LinkedIn so that I can quickly access the platform.	Login through Google or LinkedIn is successful.	Medium
4	Input Personal Details	As a user, I want to input my personal details so that the system can use them to generate a resume.	Personal details are saved and displayed correctly.	High
5	Input Work Experience	As a user, I want to input my work experience so that the system can include it in my resume.	Work experience fields are correctly stored.	High
6	Suggested Skills	As a user, I want to see suggested skills based on my job title so that I can add relevant skills to my resume.	Relevant skills are suggested based on job title.	Medium
7	Tailored Resume	As a user, I want to generate a resume tailored to a specific job description so that I can maximize my chances of being selected.	Resume is generated based on job description.	High
8	Browse Resume Templates	As a user, I want to browse and select resume templates so that I can choose the one that suits my style.	User can view and select templates.	Medium
9	Customize Colors and Fonts	As a user, I want to customize the colors and fonts of my resume so that it matches my preferences.	Customization options are functional.	Low

ID	TITLE	DESCRIPTION	ACCEPTANCE CRITERIA	PRIORITY
10	Export Resume	As a user, I want to export my resume as a PDF so that I can share it with potential employers.	Resume exports successfully in PDF format.	High
11	Share Resume via Link	As a user, I want to share my resume via a link so that I can provide it easily to recruiters.	Resume link is generated and sharable.	Medium
12	Save Resume as Draft	As a user, I want to save my resume as a draft so that I can return and complete it later.	Draft resumes are saved and accessible.	High
13	Upgrade to Pro Account	As a user, I want to upgrade to a Pro account so that I can access premium templates and advanced features.	Pro account unlocks additional features.	Medium

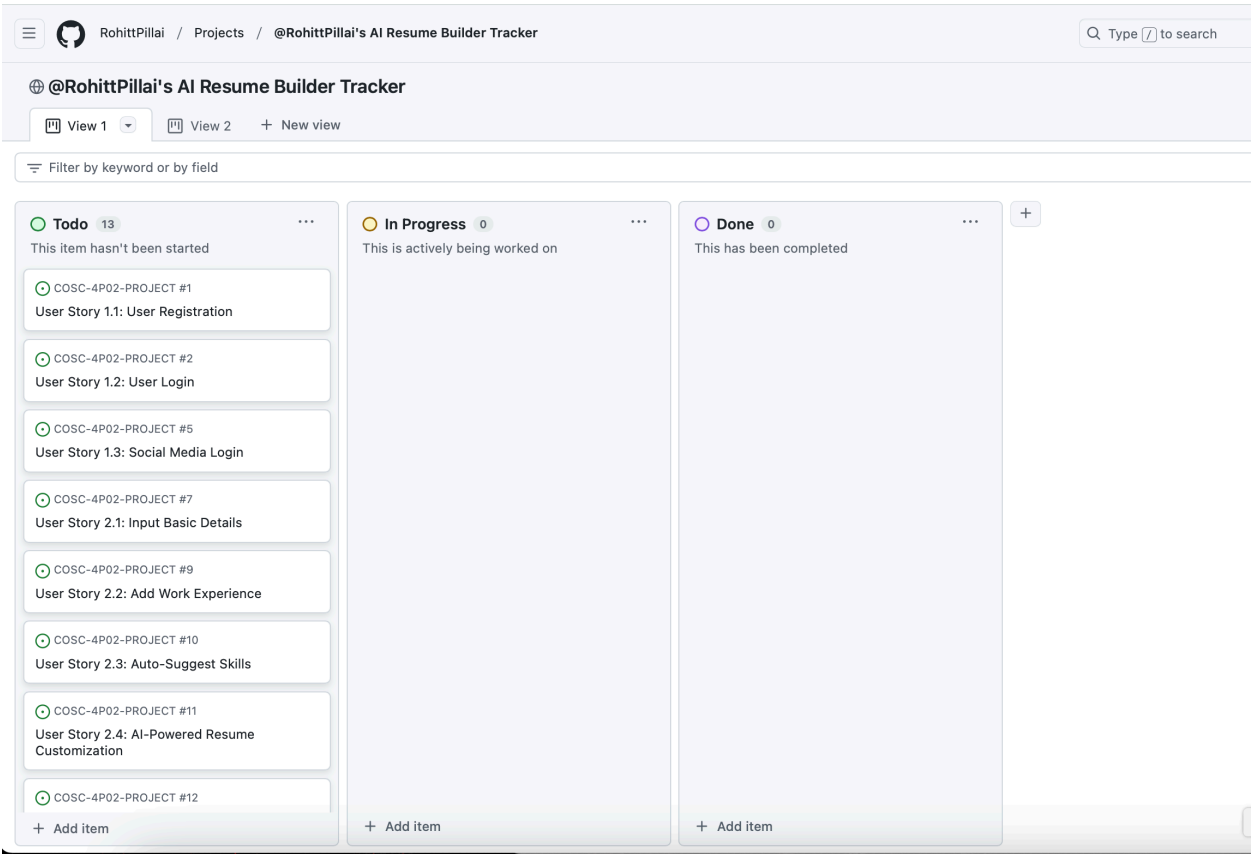
Product Backlog

Task	Associated User Story	Priority
Design form layout	4	High
Implement save functionality	12	High
Develop resume editing interface	5	High
Integrate AI suggestion engine	6	Medium
Add export-to-PDF feature	10	High
Enable Google/LinkedIn login	3	Medium
Develop Pro account features	13	Medium
Customize template styles	9	Low
Generate job-tailored resumes	7	High

Sprint Backlog

Sprint	Tasks
Sprint 1	Design form layout, Implement save functionality
Sprint 2	Develop resume editing interface, Integrate AI suggestion engine
Sprint 3	Add export-to-PDF feature, Enable social login, Customize template styles
Sprint 4	Generate job-tailored resumes, Develop Pro account features

Tool Screenshots



User Story 1.1: User Registration #1

[Edit](#)[New issue](#)[Open](#)

harash Kapoor opened 3 days ago · edited by harash Kapoor

Edits · ...

User Story

- As a new user, I want to create an account with my email and password so that I can access and save my resume templates.

Dependencies

- None

Priority

High

Total Estimate

20 hours

Tasks

- ☐ Task 1: Design the user interface for the registration form. *(Estimated: 4 hours)*
- ☐ Task 2: Implement email validation and strong password requirements. *(Estimated: 6 hours)*
- ☐ Task 3: Create a backend API for account creation. *(Estimated: 6 hours)*
- ☐ Task 4: Integrate confirmation email functionality. *(Estimated: 4 hours)*

Acceptance Criteria

- Users can successfully create accounts using valid email addresses and passwords.
- Invalid inputs display appropriate error messages.
- A confirmation email is sent upon successful registration.

[Create sub-issue](#) ·

Assignees

No one - [Assign yourself](#)

Labels

[Priority: High](#) [User Story](#)

Projects



@Rohitt Pillai's AI Resume Builder Tra...

Status [Todo](#)

Milestone

☐ **Epic 1 - User Registration and Authentication**
No due date

Relationships



None yet

Development

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Participants

User Story 1.2: User Login #2

[Edit](#)[New issue](#)[Open](#)

harash Kapoor opened 3 days ago · edited by harash Kapoor

Edits · ...

User Story

- As a registered user, I want to log in to my account so that I can access my saved resumes.

Dependencies

- Requires completion of [User Story 1.1: User Registration #1](#) (User Story 1.1: User Registration).

Priority

High

Total Estimate

15 hours

Tasks

- ☐ Task 1: Design the user interface for the login form. *(Estimated: 3 hours)*
- ☐ Task 2: Implement login authentication on the backend. *(Estimated: 5 hours)*
- ☐ Task 3: Add "Forgot Password" functionality with email verification. *(Estimated: 4 hours)*
- ☐ Task 4: Test login and error handling scenarios. *(Estimated: 3 hours)*

Acceptance Criteria

- Users can log in using valid credentials.
- Invalid credentials show appropriate error messages.
- Users can reset their password via the "Forgot Password" link.

[Create sub-issue](#) ·

Assignees

No one - [Assign yourself](#)

Labels

[Priority: High](#) [User Story](#)

Projects



@Rohitt Pillai's AI Resume Builder Tra...

Status [Todo](#)

Milestone

☐ **Epic 1 - User Registration and Authentication**
No due date

Relationships



None yet

Development

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User Story 1.3: Social Media Login #5

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Open



harash Kapoor opened 3 days ago · edited by harash Kapoor

Edits ...

User Story

- As a user, I want to log in using Google or LinkedIn so that I can quickly access the platform.

Dependencies

- Requires completion of [User Story 1.1: User Registration #1](#) (User Story 1.1: User Registration)

Priority

Medium

Total Estimate

12 hours

Tasks

- ☐ Task 1: Set up OAuth for Google and LinkedIn login. (Estimated: 5 hours)
- ☐ Task 2: Create backend APIs to handle OAuth login. (Estimated: 4 hours)
- ☐ Task 3: Link social accounts to existing user accounts. (Estimated: 3 hours)

Acceptance Criteria

- Users can log in using Google or LinkedIn.
- Accounts are linked to their email upon first social login.
- Proper error handling for OAuth failures.

Create sub-issue

Assignees

No one - [Assign yourself](#)

Labels

Priority: Medium User Story

Projects

@Rohitt Pillai's AI Resume Builder Tra...
Status: Todo

Milestone

Epic 1 - User Registration and Authentication
No due date

Relationships

None yet

Development

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User Story 2.1: Input Basic Details #7

Edit New issue

Open



harash Kapoor opened 3 days ago · edited by harash Kapoor

Edits ...

User Story

- As a user, I want to input my personal details so that the system can use them to generate a resume.

Dependencies

- None

Priority

High

Total Estimate

16 hours

Tasks

- ☐ Task 1: Design the input form for personal details. (Estimated: 5 hours)
- ☐ Task 2: Validate and store user inputs. (Estimated: 5 hours)
- ☐ Task 3: Display a preview of entered details. (Estimated: 3 hours)
- ☐ Task 4: Test input form and validation logic. (Estimated: 3 hours)

Acceptance Criteria

- Users can enter and save their personal details.
- Details are displayed in a formatted preview.
- Validation ensures no invalid inputs are stored.

Create sub-issue

Assignees

No one - [Assign yourself](#)

Labels

Priority: High User Story

Projects

@Rohitt Pillai's AI Resume Builder Tra...
Status: Todo

Milestone

Epic 2 - Resume Generation
No due date

Relationships

None yet

Development

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User Story 2.2: Add Work Experience #9

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Open



harash Kapoor opened 3 days ago · edited by harash Kapoor

Edits

User Story

- As a user, I want to input my work experience so that the system can include it in my resume.

Dependencies

- None

Priority

High

Total Estimate

18 hours

Tasks

- ☐ Task 1: Create fields for job title, company name, and dates. (Estimated: 5 hours)
- ☐ Task 2: Implement functionality to add multiple work experiences. (Estimated: 5 hours)
- ☐ Task 3: Design the UI for listing work experiences. (Estimated: 4 hours)
- ☐ Task 4: Test the functionality for edge cases (e.g., overlapping dates). (Estimated: 4 hours)

Acceptance Criteria

- Users can input multiple work experiences.
- Each entry includes job title, company name, and start/end dates.
- Information is stored correctly and displayed in the resume preview.

Create sub-issue



Assignees

No one - [Assign yourself](#)

Labels

Priority: High User Story

Projects

@Rohitt Pillai's AI Resume Builder Tra...

Status: Todo

Milestone

Epic 2 - Resume Generation

No due date

Relationships

None yet

Development

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User Story 2.3: Auto-Suggest Skills #10

Edit New issue

Open



harash Kapoor opened yesterday · edited by harash Kapoor

Edits

User Story

- As a user, I want to see suggested skills based on my job title so that I can add relevant skills to my resume.

Dependencies

- None

Priority

Medium

Total Estimate

10 hours

Tasks

- ☐ Task 1: Develop an API to fetch skill suggestions. (Estimated: 4 hours)
- ☐ Task 2: Implement dynamic suggestions in the UI. (Estimated: 3 hours)
- ☐ Task 3: Allow users to add/remove suggested skills. (Estimated: 3 hours)

Acceptance Criteria

- Skills are suggested dynamically based on the entered job title.
- Users can easily add or remove suggested skills.

Create sub-issue



Assignees

No one - [Assign yourself](#)

Labels

Priority: Medium User Story

Projects

@Rohitt Pillai's AI Resume Builder Tra...

Status: Todo

Milestone

Epic 2 - Resume Generation

No due date

Relationships

None yet

Development

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User Story 2.4: AI-Powered Resume Customization #11

Edit New issue

Open

harashkapoor opened yesterday · edited by harashkapoor

User Story

- As a user, I want to generate a resume tailored to a specific job description so that I can maximize my chances of being selected.

Dependencies

- Requires completion of [User Story 1.3: Social Media Login #5](#) (User Story 2.1: Input Basic Details)
- Requires completion of [User Story 2.2: Add Work Experience #9](#) (User Story 2.2: Add Work Experience)
- Requires completion of [User Story 2.1: Input Basic Details #7](#) (User Story 2.3: Auto-Suggest Skills)

Priority

High

Total Estimate

25 hours

Tasks

☐ Task 1: Develop an AI model to analyze job descriptions. *(Estimated: 8 hours)*

☐ Task 2: Suggest adjustments to resume sections based on analysis. *(Estimated: 6 hours)*

☐ Task 3: Design the UI for uploading job descriptions. *(Estimated: 5 hours)*

☐ Task 4: Test AI suggestions for accuracy and relevance. *(Estimated: 6 hours)*

Acceptance Criteria

- Users can upload a job description to tailor their resume.
- AI provides relevant suggestions for skills, summary, and experience.
- Users can accept/reject suggestions easily.

Assignees

No one - [Assign yourself](#)

Labels

Priority: High

User Story

Projects

@RohittPillai's AI Resume Builder Tra...

Status

Todo

Milestone

Epic 2 - Resume Generation

No due date

Relationships

None yet

Development

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Participants

User Story 3.1: Select a Template #12

Edit New issue

Open

harashkapoor opened yesterday · edited by harashkapoor

User Story

- As a user, I want to browse and select resume templates so that I can choose the one that suits my style.

Dependencies

- Requires completion of [User Story 2.1: Input Basic Details #7](#) (User Story 2.1: Input Basic Details)

Priority

Medium

Total Estimate

15 hours

Tasks

☐ Task 1: Design a gallery view to display available templates. *(Estimated: 5 hours)*

☐ Task 2: Implement functionality to preview a selected template. *(Estimated: 4 hours)*

☐ Task 3: Enable users to apply a template to their resume. *(Estimated: 3 hours)*

☐ Task 4: Test template selection and application functionality. *(Estimated: 3 hours)*

Acceptance Criteria

- Users can browse a variety of templates in a gallery view.
- Users can preview templates before applying them.
- Selected templates adapt dynamically to the user's content.

Assignees

No one - [Assign yourself](#)

Labels

Priority: Medium

User Story

Projects

@RohittPillai's AI Resume Builder Tra...

Status

Todo

Milestone

Epic 3 - Template Customization

No due date

Relationships

None yet

Development

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Notifications

Customize

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Participants

User Story 3.2: Customize Colors and Fonts #13

Edit New issue

Open

harashkapoor opened yesterday · edited by harashkapoor

Edits

...

User Story

- As a user, I want to customize the colors and fonts of my resume so that it matches my preferences.

Dependencies

- Requires completion of [User Story 3.1: Select a Template #12](#) (User Story 3.1: Select a Template)

Priority

Low

Total Estimate

12 hours

Tasks

- ☐ Task 1: Develop a color picker for headings and sections. *(Estimated: 4 hours)*
- ☐ Task 2: Implement a font selection tool with previews. *(Estimated: 4 hours)*
- ☐ Task 3: Ensure real-time preview of customizations. *(Estimated: 3 hours)*
- ☐ Task 4: Test customization features for usability. *(Estimated: 1 hour)*

Acceptance Criteria

- Users can select custom colors for headings and sections.
- Users can choose from a variety of fonts with real-time previews.
- Customizations are applied correctly across the resume.

Create sub-issue

😊

Assignees

No one - [Assign yourself](#)

Labels

Priority: Low

User Story

Projects

@RohittPillai's AI Resume Builder Tra...

Status Todo

Milestone

Epic 3 - Template Customization

No due date

Relationships

None yet

Development

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Notifications

Customize

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Participants

User Story 4.1: Export as PDF #14

Edit New issue

Open

harashkapoor opened yesterday · edited by harashkapoor

Edits

...

User Story

- As a user, I want to export my resume as a PDF so that I can share it with potential employers.

Dependencies

- Requires completion of [User Story 2.1: Input Basic Details #7](#) (User Story 2.1: Input Basic Details)

Priority

High

Total Estimate

12 hours

Tasks

- ☐ Task 1: Implement backend functionality to generate PDFs. *(Estimated: 5 hours)*
- ☐ Task 2: Design a button to trigger PDF export. *(Estimated: 2 hours)*
- ☐ Task 3: Test PDF generation with different resume templates. *(Estimated: 3 hours)*
- ☐ Task 4: Ensure exported PDFs retain all formatting. *(Estimated: 2 hours)*

Acceptance Criteria

- Users can export their resume as a PDF with a single click.
- The exported PDF retains all user-entered details and formatting.
- The feature works across different templates and browsers.

Create sub-issue

😊

Assignees

No one - [Assign yourself](#)

Labels

Priority: High

User Story

Projects

@RohittPillai's AI Resume Builder Tra...

Status Todo

Milestone

Epic 4 - Export and Sharing

No due date

Relationships

None yet

Development

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Notifications

Customize

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Participants

User Story 4.2: Share via Link #15

Edit New issue

Open

harashkapoor opened yesterday · edited by harashkapoor

User Story

- As a user, I want to share my resume via a link so that I can provide it easily to recruiters.

Dependencies

- Requires completion of [User Story 4.1: Export as PDF #14](#) (User Story 4.1: Export as PDF)

Priority

Medium

Total Estimate

10 hours

Tasks

- ☐ Task 1: Implement backend functionality to generate unique shareable links. *(Estimated: 4 hours)*
- ☐ Task 2: Design a UI button to generate and display the shareable link. *(Estimated: 2 hours)*
- ☐ Task 3: Test sharing functionality across devices and browsers. *(Estimated: 2 hours)*
- ☐ Task 4: Ensure the link includes appropriate privacy protections. *(Estimated: 2 hours)*

Acceptance Criteria

- Users can generate a unique link for their resume.
- The link is shareable and leads to a view/download page.
- Privacy is maintained; unauthorized users cannot access the resume.

Create sub-issue

Assignees

No one - [Assign yourself](#)

Labels

Priority: Medium

User Story

Projects

@RohittPillai's AI Resume Builder Tra...

Status

Todo

Milestone

Epic 4 - Export and Sharing

No due date

Relationships

None yet

Development

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Notifications

Customize

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Participants

User Story 5.1: Save Resume Drafts #16

Edit New issue

Open

harashkapoor opened yesterday · edited by harashkapoor

User Story

- As a user, I want to save my resume as a draft so that I can return and complete it later.

Dependencies

- None

Priority

High

Total Estimate

15 hours

Tasks

- ☐ Task 1: Implement autosave functionality for resume drafts. *(Estimated: 6 hours)*
- ☐ Task 2: Create a "My Drafts" section in the user dashboard. *(Estimated: 4 hours)*
- ☐ Task 3: Allow users to edit and delete saved drafts. *(Estimated: 3 hours)*
- ☐ Task 4: Test autosave and draft management features for usability. *(Estimated: 2 hours)*

Acceptance Criteria

- Resume drafts are saved automatically and periodically.
- Users can view, edit, and delete saved drafts.
- Saved drafts are retained even if the user logs out.

Create sub-issue

Assignees

No one - [Assign yourself](#)

Labels

Priority: High

User Story

Projects

@RohittPillai's AI Resume Builder Tra...

Status

Todo

Milestone

Epic 5 - Account Management

No due date

Relationships

None yet

Development

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Notifications

Customize

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Participants

User Story 5.2: Upgrade to Pro #17

Edit New issue

Open

harash Kapoor opened yesterday · edited by harash Kapoor

Edits

...

User Story

- As a user, I want to upgrade to a Pro account so that I can access premium templates and advanced features.

Dependencies

- None

Priority

Medium

Total Estimate

14 hours

Tasks

- ☐ Task 1: Develop a payment integration system for Pro upgrades. (Estimated: 6 hours)
- ☐ Task 2: Design a Pro features page highlighting premium benefits. (Estimated: 3 hours)
- ☐ Task 3: Enable access to premium templates and AI suggestions for Pro users. (Estimated: 3 hours)
- ☐ Task 4: Test payment integration and feature accessibility. (Estimated: 2 hours)

Acceptance Criteria

- Users can subscribe to a Pro plan and access premium features.
- Payment integration supports popular options (e.g., credit cards, PayPal).
- Pro templates and features are accessible immediately after upgrade.

Create sub-issue

😊

Assignees

No one - [Assign yourself](#)

Labels

Priority: Medium

User Story

Projects

@Rohitt Pillai's AI Resume Builder Tra...

Status: Todo

Milestone

Epic 5 - Account Management

No due date

Relationships

None yet

Development

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Notifications

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Participants

Team Contributions

Team Members	Contributions
Rohit Pillai	Created and managed Github Projects and Notion and initiated planning document. Content contributor in the releasing planning document.
Harsh Kapoor	Created user stories and prioritized features for the upcoming sprints and releases.
Jenny Dobariya	Arranged Scrum meetings and contributed content for planning. Also created meeting minutes and designing.
Neeti Pandya	Contributed to the release planning document and assisted in separating functional and nonfunctional requirements.
Priyanshu Vora	Contributed to the release planning document and assisted in separating functional and nonfunctional requirements.
Minhazul Islam Mahim	Contributed to the release planning document and assisted in separating functional and nonfunctional requirements.

Challenges and Next Steps

Challenges:

- Limited knowledge of integrated AI suggestions for resumes
- Formatting inconsistencies in exported PDFs
- Aligning team schedules for sprint planning

Next Steps:

- Refine AI suggestion engine to handle diverse industries
- Import PDF export to export formatting and ensure compatibility
- Begin development for additional templates for user customization