

DEI Builders

AI Backlog Refinement Log

1. AI Tool Documentation

Tools Used: (ChatGPT)

2. Prompt History

Date	Prompt to AI	AI Response
2025-09-07	“Based on the DEI Career Website. I need to create a product backlog but can you teach me what is and what it's for. I need to identify epics and break those epics into user stories written from end-perspective. I also need to include acceptance criteria and ensure the stories prioritize what's most important to the user and project goals.”	AI explained what a backlog is, its purpose, the difference between epics and user stories, and how to write acceptance criteria. Provided a sample backlog with example epics, stories, and priorities.
2025-09-07	“For this backlog draft I need to have 3 epics and 6–10 user stories.”	AI created a backlog with exactly 3 epics, 6–10 user stories, and acceptance criteria.
2025-09-07	“I feel the main aspect would be job/program matching based on resume but that would also be using AI too.”	AI revised the backlog so Epic 1 focused on AI-powered job/program matching, keeping mentorship and career resources as Epics 2 and 3.
2025-09-07	“Epic 3 should be more about the coding workshops and mental health resources.”	AI replaced the original Epic 3 with “Skill Development & Well-Being Support” featuring coding workshops, event registration, and mental health resources.

Date	Prompt to AI	AI Response
09/07/25	How should I rank the priority of user for epic 3 from High, Medium, and Low?	“The first user story should High, the second should Medium and the third should be Medium as well.

2025/11/22	I want the resume analyzer to use AI to parse uploaded resumes and extract name, email, skills, education, and experience. How should this workflow be designed?	AI outlined a resume upload workflow including file validation, text extraction, AI-assisted parsing, and structured output display for users.
2025-11-24	The resume analyzer is not working reliably. Can you help me create a demo version that always shows parsed resume data for presentation purposes?	AI suggested implementing a deterministic demo parser that generates consistent sample resume data without relying on external APIs.
2025-12-01	Can you help ensure the Job Matches page reflects the results shown in the Resume Analyzer but with more detailed listings?	AI expanded the demo job matches to include company names, role descriptions, and skill relevance indicators for consistency across pages.
2025-12-10	We need continuous integration and automated testing for this project. What CI pipeline and test strategy should we use?	AI explained how to set up GitHub Actions for CI, including automated tests for core user flows such as dashboard rendering and navigation.

3. Evidence of AI Use

Based on the DEI Career Website, I need to create a product backlog but can you teach me what is and what its for. I need to identify epics and break those epics into user stories written from end-perspective I also need to include acceptance criteria and ensure the stories prioritize what's most important to the user and project goals.

Got it — I can walk you through this step-by-step so you understand what a product backlog is, how it fits into your DEI Career Website project, and how to write epics, user stories, and acceptance criteria that align with your goals.

What is a Product Backlog & Its Purpose

A product backlog is a prioritized list of everything that needs to be developed, fixed, or improved for your project. It's owned by the Product Owner (or Project Manager in your case) and is always evolving as you get feedback, add features, or change priorities.

Purpose:

- Acts as a **to-do list** for your development team.
- Keeps everyone aligned on **what's most important**.
- Ensures that the work directly supports **project goals** and **end-user needs**.
- Helps plan **sprints** in Agile development.

for this backlog draft I need to have 3 epics and 6-10 user stories

Perfect — let's make a draft product backlog for your DEI Career Website with 3 epics and 6-10 prioritized user stories, each with acceptance criteria written from the end-user perspective.

DEI Career Website – Product Backlog (Draft)

Epic 1 – Job Search & Application

Provide students with an easy-to-use job board to search, filter, and apply for opportunities.

User Story	Acceptance Criteria	Priority
1. As a student, I want to search job postings by keyword so that I can quickly find relevant roles.	- Search bar accepts keywords - Results update dynamically - Works on desktop & mobile	High
2. As a student, I want to filter job postings by location so that I can focus on opportunities near me.	- Location filter dropdown - Filters results instantly - Default view shows all locations	High
3. As a student, I want to apply for jobs directly through the website so that I can save time.	- "Apply" button on job listings - Application form uploads resume ↓ Confirmation email sent	High

4. Output Evaluation

(How AI Outputs Were Used)

- **Accepted as-is:** The initial backlog structure (3 epics, user stories, and acceptance criteria) was accepted without major format changes.
- **Edited:** AI-powered matching was made the primary focus of Epic 1 to reflect project goals. AI suggestions for Epic 3 were replaced with coding workshops and mental health resources after refinement discussion.
- **Rejected:** Some example user stories from the first draft were removed because they didn't align with MVP features (e.g., resume template downloads).

5. Ethical/Professional Reflection

- As a team, we used AI as a **support tool** to speed up backlog creation while ensuring outputs aligned with our project goals for the DEI Career Website. All suggestions were reviewed collectively, with final decisions made by consensus.

6. Project Contribution

Using AI accelerated the backlog creation process by:

- Quickly structuring the backlog into **epics, user stories, and acceptance criteria**.
- Provided **clear examples** that could be directly adapted into the project documentation.
- Allowed for **rapid iteration** when project goals shifted (e.g., making AI job matching the core feature).