

Sprint 2 Plan

Product Name: SpeedFill

Revision Number: 2

Revision Date: 2/28

Sprint Period: Jan 28th - Feb 11th

Goal: Design and implement the finalized user interface while setting up the backend infrastructure to support core functionalities. Develop a working MVP with authentication, data storage, and AI-powered responses.

Task List (organized by user stories):

1. **[Must Have]** As a job seeker, I want to easily provide my personal and professional information so that I can receive relevant assistance in my job search. **[10 Total Hours]**
 - Task 1: Design a input forms page with resume upload, job description box, and additional details area **[4 Hours]**
 - Task 2: Implement the forms page **[6 Hours]**
2. **[Must Have]** As a user, I want the website to remember my information so that I can avoid repeating tasks and save time **[17 Total Hours]**
 - Task 1: Design a login/signup page **[4 Hours]**
 - Task 2: Implement login/signup page **[6 Hours]**
 - Task 3: Setup Firebase for Authentication **[1 Hour]**
 - Task 4: Setup Firebase Cloud to store user data (PDFS, responses)**[1 Hour]**
 - Task 5: Write a backend hook for adding and retrieving user data **[3 Hours]**
 - Task 6: Write a backend hook for authenticating users **[2 Hours]**
3. **[Must Have]** As a user, I want to be able to access and reuse previous documents so that I can reuse and reference them later. **[19 Hours]**
 - Task 1: Setup Firebase Storage for file uploading **[1 Hour]**
 - Task 2: Write a backend hook to convert a PDF into plain text **[2 Hours]**
 - Task 3: Write a backend hook for adding and retrieving PDFs **[3 Hours]**
 - Task 4: Design a dashboard page to edit user information and access previously uploaded and generated results **[4 Hours]**
 - Task 5: Implement dashboard UI **[6 Hours]**

- Task 6: Connect dashboard to display user's associated info from Firebase [**3 Hours**]
4. **[Must Have]** As a user, I want clear and concise information so that I can easily apply the advice to my job applications. [**14 Total Hours**]
- Task 1: Create a better AI prompt for Resume Analysis [**1 Hour**]
 - Task 2: Create a better AI prompt for Cover Letter Generation [**1 Hour**]
 - Task 3: Create a better AI prompt to answer additional questions [**1 Hour**]
 - Task 4: Design results components for cover letter and resume analysis [**3 Hours**]
 - Task 5: Implement results components for cover letter and resume analysis [**6 Hours**]
 - Task 6: Connect results components routing to forms interface and backend [**2 Hours**]

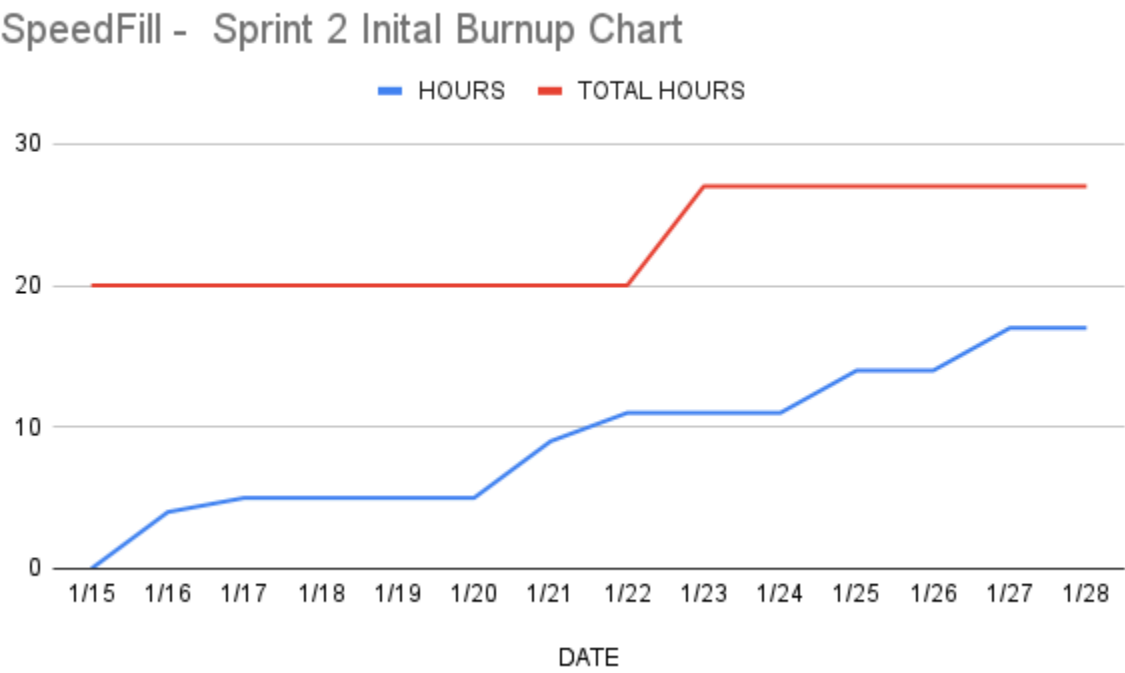
Team Roles

- Charles - **Product Manager, Backend Developer**
- Andy - **Frontend Developer**
- Colin - **Frontend Developer**
- Chan - **Backend Developer**
- Raj - **Backend Developer**

Initial Task assignment

- Charles
 - **User Story 2** - Task 3, 4, 5, 6
 - **User Story 3** - Task 1, 2, 3, 6
- Andy
 - **User Story 1** - Task 1
 - **User Story 2** - Task 1, 2
 - **User Story 3** - Task 4, 5
 - **User Story 4** - Task 4, 5
- Colin
 - **User Story 2** - Task 1, 2
 - **User Story 3** - Task 4, 5, 6, 7
- Chan
 - **User Story 4** - Task 1, 2, 3, 5
- Raj
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Initial Burnup



Initial Scrum Board

TO DO	IN PROGRESS	DONE	BLOCKED	BACKLOG
		Create our github repository and register our Vercel project [2 Hours]		
		Establish a channel of communication and meeting times [1 Hour]		
		Create Next.js and import Material UI components [2 Hours]		
		Create a resume upload section to receive client-side file uploads [2 Hour]		
		Create job information section to handle copy/paste job description from user [2 Hour]		
		Create frontend form & submit functionality to send information to backend route [2 Hour]		
	Write frontend section to show response from backend Gemini response after user submits information [2 Hour]			
		Write prompt to query Gemini API with to process information given in frontend upload areas [2 Hour]		
		Write backend hook to send user uploaded information to Gemini API and receive a response via JSON [3 Hour]		
	Write backend hook to output job description via URL [1 Hour]			
				Write comprehensive tests regarding resume file upload edge cases [2 Hour]
				Write comprehensive tests regarding job description upload edge cases [2 Hour]
				Write comprehensive unit tests regarding upload to result backend pipeline [3 Hour]

TO DO	IN PROGRESS	DONE	BLOCKED	BACKLOG
Design a login/signup page [4 Hours]				
Implement login/signup page [6 Hours]				
Setup Firebase for Authentication [1 Hour]				
Setup Firebase Cloud to store user data (PDFS, responses)[1 Hour]				
Write a backend hook for adding and retrieving user data [3 Hours]				
Write a backend hook for authenticating users [2 Hours]				
Setup Firebase Storage for file uploading [1 Hour]				
Write a backend hook to convert a PDF into plain text [2 Hours]				
Write a backend hook for adding and retrieving PDFs [3 Hours]				
Design a forms page [4 Hours]				
Implement a forms page [6 Hours]				
Design a dashboard page [4 Hours]				
Implement dashboard UI [6 Hours]				
Connect dashboard to display user's associated info from Firebase [7 Hours]				
Create a better AI prompt for Resume Analysis [1 Hour]				
Create a better AI prompt for Cover Letter Generation [1 Hour]				
Create a better AI prompt to answer additional questions [1 Hour]				
Design results components for cover letter and resume analysis [3 Hours]				
Implement results components for cover letter and resume analysis [6 Hours]				
Connect results components routing to forms interface and backend [2 Hours]				

Scrum Times

- Monday (Work Session) - 11AM - 12AM
- Wednesday (Work Session) - 12AM - 1PM
- Friday (TA Meeting) - 11AM - 12PM