Software Development Plan (Weekly software process schedule)

Month	Day	Development Plan	Test & Demonstration Plan
Jan	23	- Figma prototype On-boarding - Figma prototype of sign in page - Figma prototype of settings page - Figma prototype of adding notes	Mock-up User Interaction Flow for Sign-In & Dashboard & Adding Notes & New User On-boarding
	31	- Figma prototype of viewing past notes - Figma prototype of dashboard page - Final Design Review	Mock-up User Interaction for Viewing Past Notes & Modifying User Settings
Feb	5	- Create a GCP Account and Establish our Project - Setup IAM to allow team members to utilize cloud services - Setup Budget Restrictions & Alerts - Create Initial Routes and Pages (Just setting up endpoints) - Create Initial Route & Page Tests	- Ability to view the basic endpoint on a local system - Team members are able to utilize google cloud services

	12	- Setup Github Actions Initial Route & Page Test Automation - Deploy Initial Front-end Pages on Google Cloud App Engine - Create Initial document-schema (Firestore) [w/ mock values for sentiment analysis and other AI results]	User can view endpoints on production website (No UI/Functionality yet)
	19	- Create Initial API (Simple GET Endpoints) - Create Initial API Tests - Setup Github Initial API Test Automation - Deploy Initial API on Google Cloud App Engine - Create Initial API Documentation through OpenSwagger	User can test status of website
	26	- Setup Firestore Authentication within GCP Project - Develop fully-fledged version of Sign-In Page (callback to dashboard page, and ensure redirect if user is not authenticated) - Develop Sign-In Page Tests - Integrate Sign-In Test Automation - Deploy Sign-In Page on Google Cloud App Engine	Users can interact with sign-in flow and register their account.

March	5	- Develop Dashboard-Related Authenticated API endpoints (AI fields will rely on mock values from mock user) - Document new Authenticated Endpoints through OpenSwagger - Develop Dashboard-Related Authenticated API Tests - Document all endpoints within code - Integrate Dashboard-Related Authenticated API to Test Automation - Deploy Dashboard-Related Authenticated API	Users can view their dashboard information (JSON Format)
	12	- Develop fully-fledged version of Dashboard Page (Based on mock user field values) - Develop Dashboard Page Tests - Integrate Dashboard Test Automation - Deploy Dashboard Page on Google Cloud App Engine	Users can view their dashboard for their featured moment (GUI)
	19	- Develop Add Notes-Related Authenticated API endpoints - Document new Authenticated Endpoints through OpenSwagger - Develop Add Notes-Related Authenticated API Tests - Document all endpoints within code - Integrate Add Notes-Related Authenticated API to Test Automation - Deploy Add Notes-Related Authenticated API	Users can test to add notes via API call on OpenSwagger. (Prototype JSON / HTML)

	26	- Initialize Google Cloud NLP API within GCP Project - Develop fully-fledged version of Add Notes Page - Develop Add Notes Page Tests - Integrate Add Notes Page Test Automation - Deploy Add Notes Page on Google Cloud App Engine	Users can test/do if they can add notes through the application GUI.
April	2	- Develop View Notes-Related Authenticated API endpoints - Document new Authenticated Endpoints through OpenSwagger - Develop View Notes-Related Authenticated API Tests - Document all endpoints within code - Integrate View Notes-Related Authenticated API to Test Automation - Deploy View Notes-Related Authenticated API	Users can test if they can retrieve their notes via API call on OpenSwagger (Prototype JSON/HTML)
	9	- Develop fully-fledged version of View Notes Page - Develop View Notes Page Tests - Integrate View Notes Page Test Automation - Deploy View Notes Page on Google Cloud App Engine	Users can test/do if they can view past notes through the application GUI.

	16	• Develop fully-fledged version of Settings Page • Develop Settings Page Tests • Integrate Settings Page Test Automation • Deploy Settings Page on Google Cloud App Engine	• Users can modify settings and it will be saved locally on their device.
	23	• Create Product Page for Capstone Conference • Create Product Presentation for Capstone Conference	• Users can view product page and determine if our application is suited for them.

Software Development Plan (Gantt Chart)

	Jan			Feb				March				April			
	16	23	30	6	13	20	27	6	13	20	27	3	10	17	24
Figma Prototypes	■	■													
Google Cloud Environment & Initial Frontend Pages / Routes			■	■											
Sign-In Flow / User Registration & On-boarding				■	■	■									
User Dashboard							■	■							
Add Notes								■	■	■					
View Notes										■	■	■			
Settings Page												■	■		
Product Page & Presentation													■	■	■