

Sprint 3 Meeting Logs

Meeting 1

- **Date:** November 15, 2024
- **Location:** Campus
- **Attendees:** All team members (Avadh, Bhavya, Mansi, Rushil)
- **Topic of Discussion:** Sprint 3 Planning and Work Division

Overview (MoM):

Sprint Goals: Discussed objectives for Sprint 3, focusing on completing the remaining modules with full functionality and integration.

Modules to be Completed: Defined the primary modules for Sprint 3:

- **Module 2:** Set up cloud function webhooks to generate user-specific answers to queries.
- **Module 3:** Use GCP Pub/Sub for communication between customers and QDP agents. Implement message publication for customer concerns based on reference codes. Forward messages to random QDP agents through subscribed functions
- **Module 4:** Use SNS for successful and failed processing with user email as the endpoint.
- **Module 5:** Implementation of following processing task
 - **Option 1:** Convert uploaded JSON files to CSV using AWS Glue, and log the status in DynamoDB.
 - **Option 2:** Extract named entities from TXT files using AWS Lambda and save the results to DynamoDB.
 - **Option 3:** Display a word cloud for TXT file content using GCP Looker Studio
- **Module 6:** Provide QDP agents access to an admin page with user statistics and login data via Looker Studio. Display customer feedback related to data processing in a tabular format on the frontend. Automate sentiment analysis of feedback using Google Natural Language API and present results on the frontend.
- **Module 7:** Call backend services for user management, authentication, and data processing.

Dependencies: Module 3 (Message Passing) is interdependent with customer communication systems and QDP agents' availability.

Timeline & Gantt Chart: Created a timeline for each task, aligning with our Sprint 3 report requirements.

Next Steps:

Finalize initial module implementations by November 25 for testing and integration discussions.

Action Items:

Begin module development based on assigned tasks and stay connected on Teams for weekly updates.

Meeting 2

- **Date:** November 25, 2024
- **Location:** Campus
- **Attendees:** All team members (Avadh, Bhavya, Mansi, Rushil)
- **Topic of Discussion:** Mid-Sprint Progress Check
- Meeting link: [Meeting in Serverless Group SDP_8-20241104_115111-Meeting Recording.mp4](#)

Overview (MoM):

1. Progress Updates:

- **Module 2:** Successfully set up the flow to answer the queries regarding customer service/QDP agents. Pass the parameters to the Pub/Sub module function for further query resolution.
 - **Module 3:** Successfully set up GCP Pub/Sub for publishing customer concerns. Implemented message forwarding to random QDP agents through subscribed functions
 - **Module 4:** AWS SNS is used providing the notifications for processing jobs and successful named entity extraction.
 - **Module 5:** JSON-to-CSV conversion implemented using AWS Glue, with status updates logged in DynamoDB. Named Entity Recognition (NER) extraction functionality through AWS Lambda is 90% complete. Word cloud generation using GCP Looker Studio is in progress, expected completion by next meeting.
 - **Module 6:** Feedback retrieval from DynamoDB is complete. Sentiment analysis using Google Natural Language API is functional, with sentiment results displayed in the frontend interface. Looker Studio admin dashboard integration is ongoing, with preliminary statistics available.
 - **Module 7:** Successfully hosted the application on GCP CloudRun. Initial deployment automation using GCP Cloud Deployment Manager has been set up.
2. **Challenges:** (**Module 3**) Minor delays in Firestore logging due to schema definition refinements. (**Module 5**) Word cloud generation depends on additional input processing, causing slight delays. (**Module 6**) Admin dashboard integration faced challenges in syncing with real-time data updates.
 3. **Report Requirements:** Reviewed report structure to cover completed modules, architecture flowcharts, and Gantt charts for remaining tasks.
 4. **Testing:** Planned functional testing for Module 5 and Module 6, focusing on processes and feedbacks.

Action Items:

- Try to complete remaining work by last sprint
- Prepare pseudo-code and flowcharts for completed modules.
- Continue developing remaining module components.

Meeting 3

- **Date:** November 29, 2024
- **Location:** Microsoft Teams (Online)
- **Attendees:** All team members (Avadh, Bhavya, Mansi, Rushil)
- **Topic of Discussion:** Final Sprint 3 Review and Report Preparation
- **Meeting link :** [Meeting in Serverless Group SDP_8-20241104_115111-Meeting Recording.mp4](#)

Overview (MoM):

1. Implementation Review:

- **Module 2:** Integrated the Fire store with the chatbot to get the previous file history and give user-specified answers with reference numbers.
- **Module 3:** GCP Pub/Sub integrated for customer concerns. Cloud Functions implemented for forwarding messages to QDP agents.
- **Module 4:** AWS SNS is used providing the notifications for processing jobs and successful named entity extraction.
- **Module 5:** fully complete; Word cloud generation finalized with GCP Looker Studio.
- **Module 6:** Completed all tasks and performed Sentiment analysis using Google Natural Language API displayed on the front end.
- **Module 7:** Application successfully hosted on GCP CloudRun. Deployment automation finalized using GCP Cloud Deployment Manager, enabling smooth updates for future iterations.

2. Report and Documentation: Finalized report sections for system architecture, completed module descriptions, and Gantt chart. Added pseudo-code, flowchart, and initial validation testing results for Modules 2,3,5 and 6.

3. Feedback and Adjustments: Agreed to minor adjustments based on feedback from testing to ensure proper module interactions.

Action Items:

- Complete and finalize the report by December 2, including all required documents.
- Ensure all testing and flowcharts are up-to-date for submission.