

## Milestone 2: Personal Feedback Form

**Team Member:** Elsa Bushen

Milestone Deliverables:

1. The Technical Design Document
2. Software Testing plan

Team Member's Contribution:

1. I have done a research on Flutter and Dart for the purpose of writing TDD
2. I have written the technical design document system overview
3. I architected the application process and made decision on our path and presented to the team
4. I did worked all the UML and sequential diagrams
5. I wrote almost more than half of the technical document this includes
  1. project Overview(in cooperation with Lensa by sharing our screens together)
  2. I did wrote the entire System Overview
  3. I did wrote the entire Architectural Design
  4. I did wrote the entire Functional Requirement
  5. I did wrote the entire None functional Requirement
  6. I did wrote the entire Decomposition
  7. I did wrote the Error Management and Secret Protocol
6. I did analyzed and wrote what our work flow looks like
7. I did served as a lead Architect
8. I did served as a lead technical writer for our entire submission
9. I have edited and updated APA for SRS document, for TDD and STP
10. I installed Flutter and Android Studio for practical research purpose
11. I integrated the working environment to Github so that I can get myself familiar with for the next milestone task distribution
12. I have gone through all pages of TDD and setup table of content, list of figure and tables for the entire document
13. I have gone through all pages of STP and setup table of content, List of figures and tables.
14. I have proof read and made major changes on the entire document of STP that the remaining team worked on.
15. I have gone through all pages of SRS and setup table of content, list of figures and tables
16. I have prepared and presented the system overview part of our project
17. I made modification on the entire TDD based on PMs feedback
18. I made modification on STP based on PMs Feedback.

Comments:

- Although I joined the team late in the first milestone I made a big contribution shift and comeback highly in the second milestone and I am proud of our teams work this time.

Developer mode on

As you all have been part of the process we have been working the UI for screen.  
I have put our repository to work

me and Lensa also helped the team setup their environments so that every body can contribute to our code

Besides that I am actively engaged in helping the team out individually with troubleshooting and making sure everyone is on the right track

I made sure every one has their own branch to work on

I have done 5 screens sofar that are pushed to develop branch

I am working on the development of recording functionality  
we also updated monday.com for accurate tran

As a person who is taking the lead in our development process and as the arctect I am currently researching the back end framework that we are going to impliment

I have also worked on my part documentation task

**Title Slide:** Implementing a Backend for Minder with AWS Amplify

**Slide 1: Introduction to Minder**

- "Good [morning/afternoon], everyone. Today, I'm excited to share with you the process of developing the backend for our Flutter app, Minder, using AWS Amplify."

**Slide 2: Choosing AWS Amplify**

- "We chose AWS Amplify for our project because it offers a seamless integration with Flutter, providing a suite of managed services that are essential for mobile app development. This choice allowed us to focus more on the app's features rather than backend complexities."

**Slide 3: Core AWS Amplify Services**

- "To support our app, we leveraged three key AWS Amplify services: Cognito for user authentication, DynamoDB for data storage, and S3 for file storage. Each of these services plays a vital role in the functionality of Minder."

**Slide 4: Setting Up AWS Amplify**

- "The setup process involved installing the AWS Amplify CLI, initializing Amplify in our Flutter project, and configuring the backend services. This foundational step was crucial for integrating the backend services seamlessly with our app."

**Slide 5: Implementing Authentication with Cognito**

- "Using Amazon Cognito, we implemented a simple yet secure authentication system. This allowed our users to sign up, sign in, and manage their sessions within Minder, ensuring a personalized and secure user experience."

#### **Slide 6: Data Storage with DynamoDB**

- "Amazon DynamoDB was our choice for storing user-generated data. Its NoSQL structure gave us the flexibility we needed for our data models, and integrating it with our app through Amplify made data operations smooth and efficient."

#### **Slide 7: File Storage with S3**

- "For storing and retrieving media files, we used Amazon S3. This service enabled us to handle user profile pictures and other media content securely and efficiently, enhancing the overall functionality of our app."

#### **Slide 8: Testing and Debugging**

- "Throughout the development process, testing and debugging were essential. We ensured that authentication, data persistence, and file operations worked flawlessly, addressing any issues that arose with diligence."

#### **Slide 9: Challenges and Solutions**

- "We encountered challenges, such as understanding AWS IAM roles and permissions and integrating services with Flutter. Through research, trial and error, and leveraging AWS documentation and forums, we overcame these obstacles."

#### **Slide 10: Conclusion and Future Directions**

- "In conclusion, using AWS Amplify for Minder's backend development was a rewarding experience. It not only simplified our development process but also provided us with valuable learning opportunities. Looking ahead, we're excited to explore more advanced features, like analytics and more complex data models, to further enhance our app."

#### **Slide 11: Resources and Acknowledgments**

- "I'd like to thank [professors, teammates, AWS documentation, etc.] for their support and resources that helped guide this project to success. For anyone interested in exploring AWS Amplify, I highly recommend [list a few specific resources]."

**Closing:** "Thank you for your attention. I'm now open to any questions or discussions."