

# Progress Report

## Product-based Capstone Project

- **Please make a copy of this document (do not ask for edit permissions)**
- Discuss with your team prior to filling up this doc so that the content of this progress is the same across all team members.
- Replace the highlighted part of this proposal with your team's answers.
- See the limits of each answer below. You may exceed one page if necessary. Maximum 2 pages.
- Submit this document individually to this [form](#)

**Project Name : Catstone**

**Team ID : CH2-PS104**

**Team Member :**

1. (ML) M258BSX1076 – Saniyya Ruzzy Marwa – University of Muhammadiyah Malang - [Active]
2. (ML) M258BSY0466 – Rezandy Kusbiantoro Nurul Mubin – University of Muhammadiyah Malang- [Active]
3. (ML) M258BSY1856 – Mukhammad Nisful Lail – University of Muhammadiyah Malang - [Active]
4. (CC) C314BSY3046 – Cahyo Tri Atmojo – Universitas Singaperbangsa Karawang - [Active]
5. (CC) C314BSY4199 – Alhafidz William Adzanta – Universitas Singaperbangsa Karawang - [Active]
6. (MD) A314BSY2105–Muhammad Naufal Firdaus – Universitas Singaperbangsa Karawang - [Active]
7. (MD) A296BSX2359 – Salwa Ghaliyah Hilaly – UPN Veteran Jawa Timur- [Active]

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## Product-based Capstone Project

### Project Schedule (based on project plan):

		Android	Cloud	Machine Learning	Notes	Target	Worst
		Getting Approved Proposition Capstone Working Week 1					
		Finding References Dataset and Project			All Member Involve		
		Prototyping	Finalize GCP Feature	Problem understanding		Start Creating Prototype 1 for the next week	Revise Project Plan + Still searching for References
Week 1	20 November	UI/UX Application Design		Data Collection			
				Data Preparation			
		Capstone Working Week 2					
		Monitoring #1			All Member Involve	Start Creating Prototype 2 (Improving Prototype 1) for next week	Start Creating Prototype 1
Week 2	27 November	Create FrontEnd	Create BackEnd	Train Model with the dataset			
		Building Layout	Create Private API	Test Model with the dataset			
		Set Room Database		Evaluation Model			
		Capstone Working Week 3					
		Monitoring #1			All Member Involve		
		Build Activity Flow	Fixing Bugs and Error	Deploy model to the server			
Week 3	4 Desember	Set API Data		Retrain Model		Finish Deploying Prototype 2	Start Creating Prototype 2 (Improving Prototype 1)
		Fixing Bugs and Error					
		Capstone Working Week 4					
		Monitoring #2			All Member Involve		
		Fix Error and Bugs	Fixing Bugs and Error	Maintenance		Finish All App Feature and Done Deploying	Still Finalizing the App Feature
Week 4	11 Desember	Testing	Deploying Finished Web				
		Capstone Working Week 5					
		Monitoring #2			All Member Involve	Finish the app on time and finish creating presentation before 22 Des	Finish All App Feature and Done Deploying (There's some bugs)
Week 5	22 Desember	22 Des: Final Deliverables Deadline					
		Deploying Final App					
		Creating Presentation					

### Project Progress Description:

Our team has made significant progress in the capstone project, including finding the application idea, understanding the application flow, searching for a cat dataset, and comprehending the cat dataset. The finalization of GCP features has also been completed by the CC team. The MD team has designed the application and conducted prototyping. The implementation of the design into the application has been completed, resulting in 90% completion of the front end. The cloud computing team has attempted to create an API, which has been successfully utilized as tested by the MD team within the application.

Currently, the machine learning team is preparing the data, the cloud computing team is setting up the API, and the Mobile Development team is finalizing the front end to manage the application's theme colors, preparing the viewModel, and injection for preparing data retrieval through the API. Tasks that are yet to be completed or are upcoming include data modeling, deploying the model to the server, and retraining the model. For the CC team, tasks yet to be completed or upcoming include preparing cat display images and inputting data into the API. The MD team has not yet performed API retrieval in the application and testing.

**If the complete capstone is 100%, tell us how many percent of your group's project has been completed. Please describe the reason for your percentage.**

**At the time of reporting, project progress should have reached at least 50% of the total project scope**

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Our capstone team has progressed to 65%, as the application design and prototyping have been completed. The entire design has been implemented into the application using Jetpack Compose. Page navigation within the application has been finalized. The ViewModel is ready, awaiting only the API. The Cloud Computing team has successfully conducted API trials, and they are now working on creating it to be sent to the Mobile Development team. The Machine Learning team has found the dataset, and they are currently preparing the data and will proceed to data modeling. Two mentoring sessions have been conducted by our team, covering business mentoring and machine learning mentoring.

**Please attach your supporting evidence.**

[Repository Android](#)

[Repository Backend](#)

[Repository ML Model Breeds Cat](#)

