

How to Use this Template

1. Create a new document, and copy and paste the text from this template into your new document [Select All → Copy → Paste into new document]
2. Name your document file: “**Capstone_Stage1**”
3. Replace the text in green

Description

Intended User

Features

User Interface Mocks

Screen 1

Screen 2

Key Considerations

How will your app handle data persistence?

Describe any corner cases in the UX.

Describe any libraries you'll be using and share your reasoning for including them.

Describe how you will implement Google Play Services.

Next Steps: Required Tasks

Task 1: Project Setup

Task 2: Implement UI for Each Activity and Fragment

Task 3: Your Next Task

Task 4: Your Next Task

Task 5: Your Next Task

GitHub Username: GemiDroid

Chat Application

Description

It's one-to-one chat app, that make transfer text messages between friends.

Intended User

It's for anyone want to message, especially friends

Features

List the main features of your app. For example:

- Saves information (Login, Registration).

- Takes pictures: to make it as profile picture.
- Invite friends.
- Profile zone.

User Interface Mocks

Screen 1



Login Screen: enable you to enter app, through valid credential

Screen 2



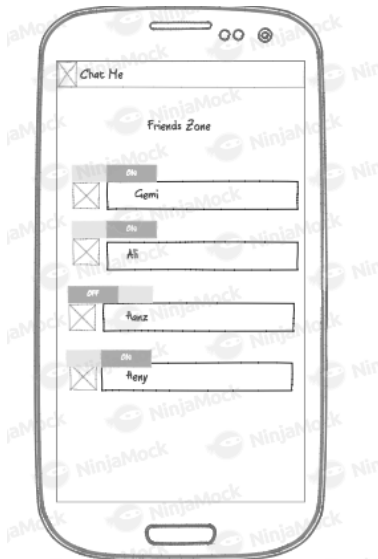
If you have register before, it's the time to do that 😊 .

Screen 3



This image is containing home screen that enables you to navigate through Chat Area.

Screen 4



This image represents Friends Zone.

Screen 5



Widget Screen that display user profile image & name.

Key Considerations

How will your app handle data persistence?

I will depend on Firebase Database Real-time, to get and save information needed.

Describe any edge or corner cases in the UX.

- 1- I provide back button, called navigation button, that navigate user cross all application.
- 2- When user login and credential not valid, toast message tell him that credential not correct.
- 3- When network status not available, dialog popup that network not found, (Settings, cancel) options, if settings option is chosen will be redirected to open Wi-Fi.
- 4- Will provide layout if device was rotated to Landscape mode, or was a two pane layout.

Describe any libraries you'll be using and share your reasoning for including them.

- 1- I will use Picasso: for fetching image and caching them.
- 2- Circle Image: To make images circular and awesome.
- 3- Firebase products: like, real-time database, auth, storage.

Describe how you will implement Google Play Services or other external services.

I will use MVP Design pattern to enhance performance, and prevent dealing any view with data, but presenter will do that to transfer data from and to view.

Next Steps: Required Tasks

This is the section where you can take the main features of your app (declared above) and break them down into tangible technical tasks that you can complete one at a time until you have a finished app.

Task 1: Project Setup

- Configure libraries
- Configure updates of Android Studio, Gradle and so on.

Task 2: Implement UI for Each Activity and Fragment

List the subtasks. For example:

- Build UI for Login.
- Build UI for Register.
- Build UI for Home Screen including its contents.

Task 3: Your Next Task

Implement Login & Register.

Implement Google Play Services, firebase.

Implement time class, for calculating availability times.

Implement Home Page Screen.

Task 4: Your Next Task

Implement Widget and test it well.

Task 5: Your Next Task

Implement IntentService and AsyncTask

For sync data, and service listen to any updates from remote server.

Task6: Your Next Task

Full app testing.

Submission Instructions

- After you've completed all the sections, download this document as a PDF [File → Download as PDF]
 - Make sure the PDF is named "**Capstone_Stage1.pdf**"
- Submit the PDF as a zip or in a GitHub project repo using the project submission portal

If using GitHub:

- Create a new GitHub repo for the capstone. Name it "**Capstone Project**"
- Add this document to your repo. Make sure it's named "**Capstone_Stage1.pdf**"