

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: [WonkyDan](#)

Top To Do List

Description

The to do list app to top to do list apps. Items can be added to the app with differing priorities and colour coded. A widget will also be available to show the current task.

Timings can also be set to help with time management to get the tasks done.

Intended User

Anyone that would like a bit of help organising their life.

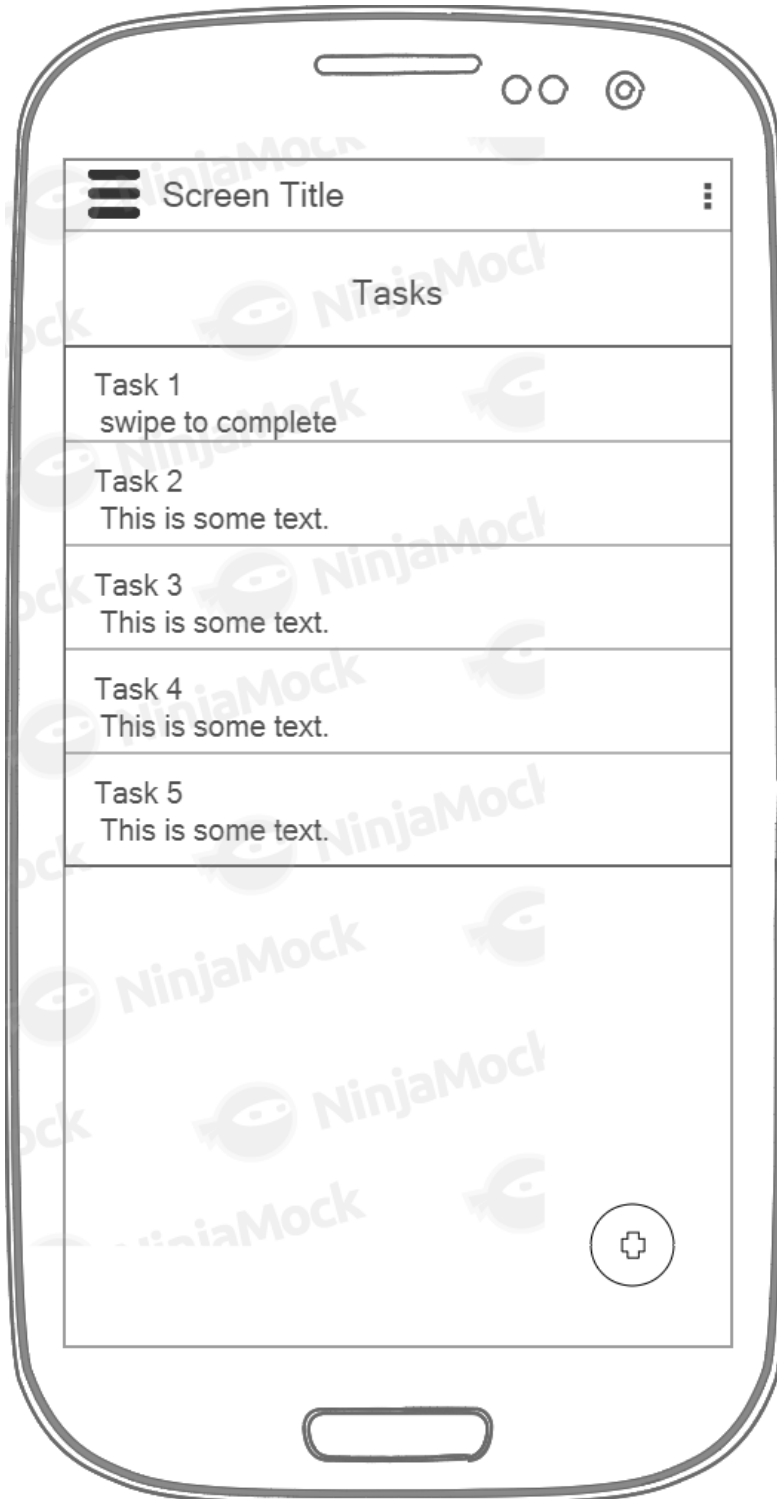
Features

- Add task activity
- Tasks can be set a time frame to complete
- Tasks can be colour coded
- A companion widget to show the current task at the current time.

- A check box or swipe to mark item as complete

Add as many screens as you need to portray your app's UI flow.

Main page showing a list of tasks to be completed.



The add a new task screen. Extra steps can be added by clicking the plus button.

< New task

Task name

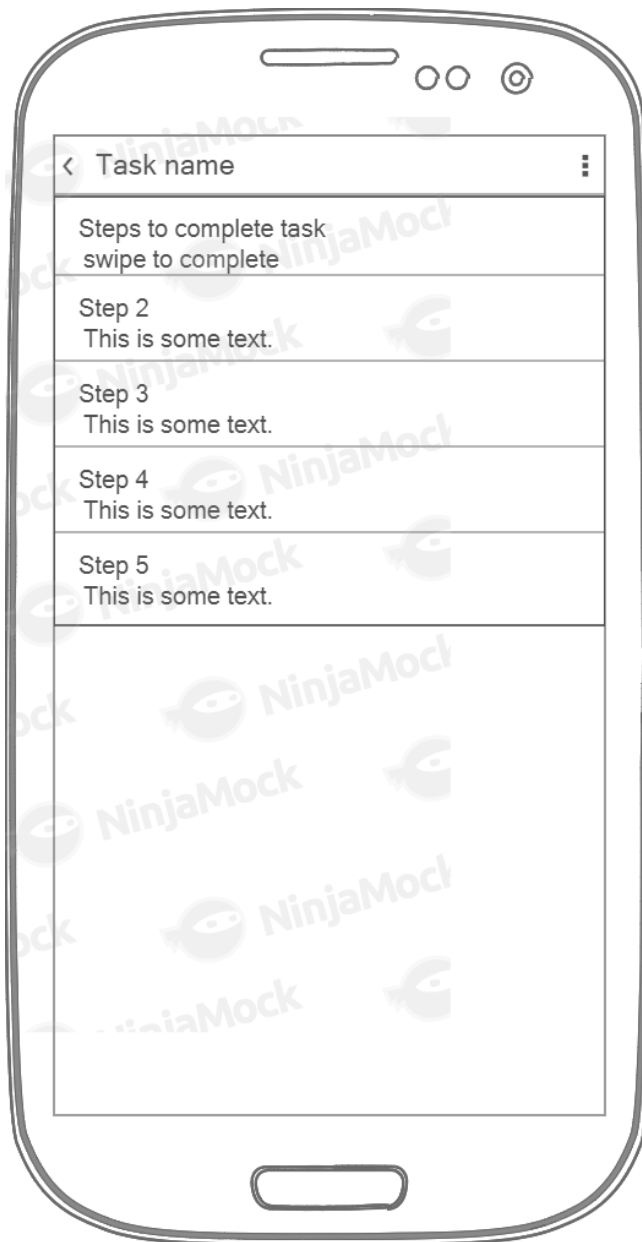
Complete by Start

Step 1

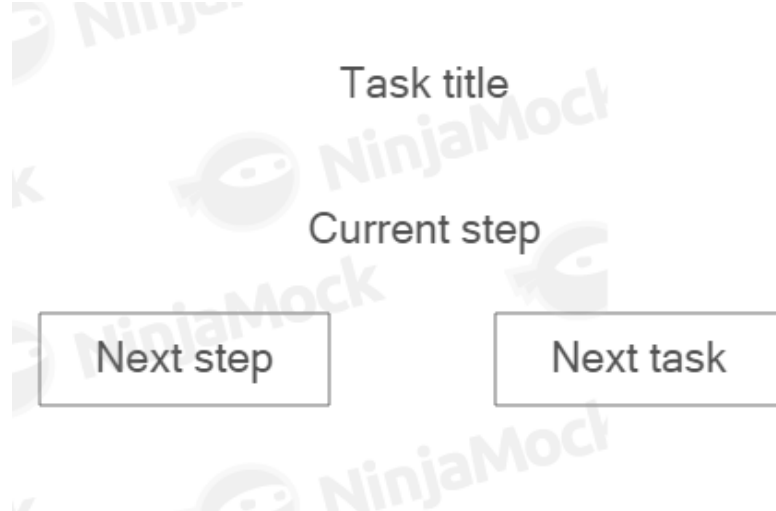
Step 2

+

The steps to complete the current task screen.



The widget view, showing the current task and step, with the option to show the next of either.



Key Considerations

How will your app handle data persistence?

I will use room and firebase database to handle the persistent data.

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

I will be using butterknife to handle the UI elements as it helps keep the code clean.

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

Firebase database will be used to store the tasks.

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

Add the various libraries and dependencies required.

Task 2: Implement UI for Each Activity and Fragment

- Build UI for MainActivity
- Build UI for Add task activity
- Build UI for the display task activity

Task 3: Implement room

- Create room database
- Create task objects
- Create the view model
- Ensure data completes the UI

Task 4: Create companion widget

- Create layout
- Create services to complete UI

Task 5: Implement firebase database

Add as many tasks as you need to complete your app.

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**"