

[Description](#)

[Intended User](#)

[Features](#)

[User Interface Mocks](#)

[Screen 1](#)

[Screen 2](#)

[Key Considerations](#)

[How will your app handle data persistence?](#)

[Describe any edge or 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 or other external services.](#)

[Next Steps: Required Tasks](#)

[Task 1: Project Setup](#)

[Task 2: Implement UI for Each Activity and Fragment](#)

[Task 3: Implement Settings](#)

[Task 4: Implement Notification](#)

[Task 5: Implement Widget](#)

[Task 6: Implement Ad Service](#)

[Task 7: Implement Location Service](#)

[Task 8: Finalizações](#)

GitHub Username: ashj (<https://github.com/ashj/Capstone-Project>)

Daily Ten-Minutes Tasks

Description

Crie e gerencie tarefas curtas (no máximo 10 minutos) a serem realizadas uma por uma a cada dia. Para aqueles que tem muito o que fazer mas não muito tempo para fazer.

Intended User

Usuários que possuem diversas tarefas (domésticas, por exemplo) a serem feitas, mas que quase nunca acabam fazendo, geralmente por falta de tempo.

O usuário registra no aplicativo diversas tarefas relativamente curtas (no máximo 10 minutos para ser concluída). O aplicativo então informa diariamente uma tarefa a ser realizada.

Desse modo, os usuários acabam fazendo diversas tarefas curtas, ao invés não fazerem nada.

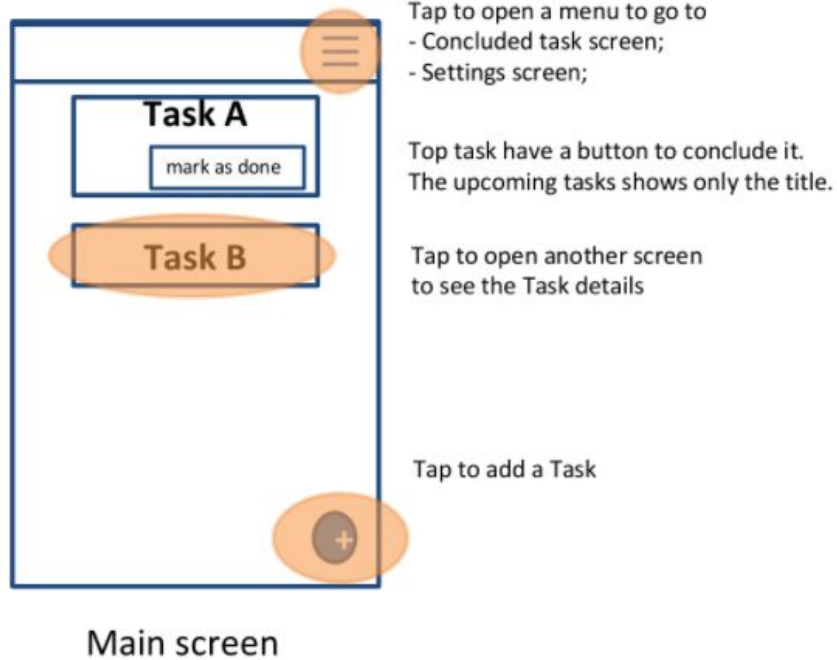
Features

- Tarefas com prioridades;
- Histórico de tarefas concluídas;
- Notificador diário de tarefas.

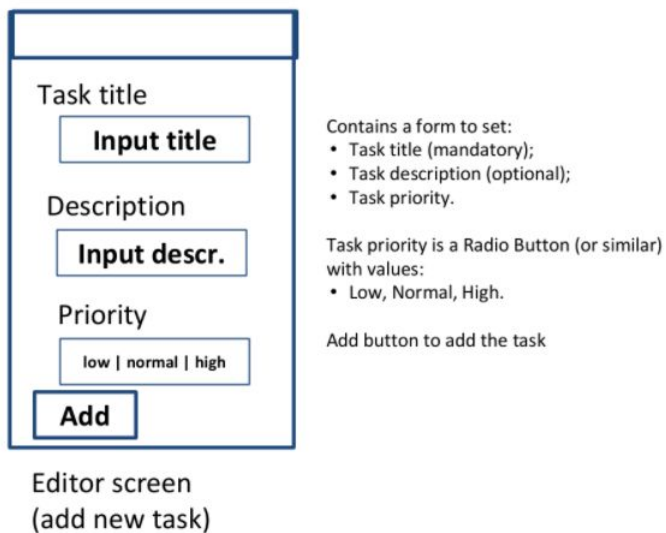
User Interface Mocks

These can be created by hand (take a photo of your drawings and insert them in this flow), or using a program like Google Drawings, www.ninjamock.com, Paper by 53, Photoshop or Balsamiq.

Screen 1



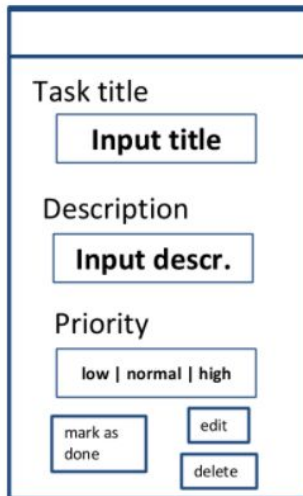
Screen 2



Screen 3

Task B

Tap to open another screen to see the Task details



The diagram shows a mobile app screen for task details. It has a title bar at the top. Below it, the text 'Task title' is followed by an input field containing 'Input title'. Then 'Description' is followed by an input field containing 'Input descr.'. Below that, 'Priority' is followed by a selection bar with 'low | normal | high'. At the bottom, there are three buttons: 'mark as done', 'edit', and 'delete'.

Task details screen

Shows the task details:

- Task title;
- Task description;
- Task priority.

Mark as done concludes the task.

Edit button allows to edit the task.

Delete button deletes the task from the database.

Screen 4



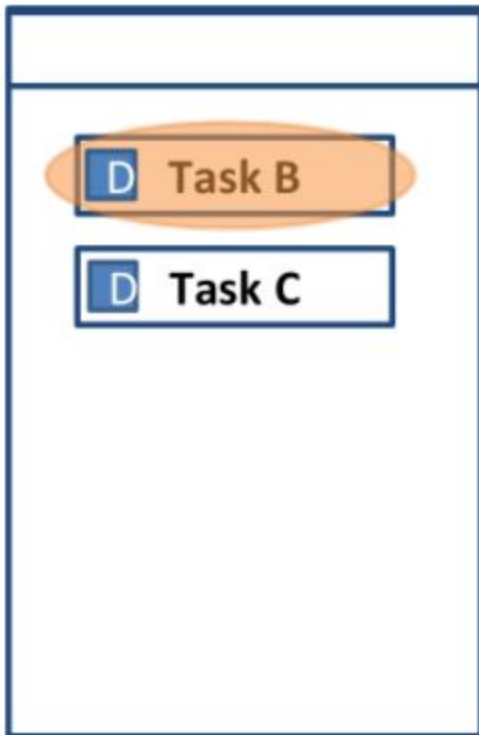
The diagram shows a mobile app settings screen. It has a title bar at the top. Below it, there is a checkbox labeled 'Show daily notification at' followed by a time input field showing '01:22'. Below that is a button labeled 'Location option'.

Settings screen

Settings screen contains a checkbox
To enable notification at a specified time.

It will also have an option
to set a location via Play
Services, so the
notification will only be
shown in the set area.

Screen 5



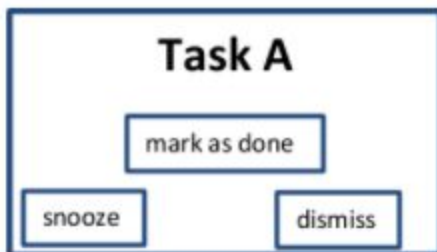
This screen shows the concluded tasks.

Tap to open another screen
to see the Task details

Delete button deletes
a concluded task.

Concluded tasks screen

Screen 6



Notification



widget

Key Considerations

How will your app handle data persistence?

Persistência de dados: database local para as tarefas; shared preferences para configurações de usuário.

Describe any edge or corner cases in the UX.

Botão back não salva uma Task em criação/edição, Somente o botão de submeter realiza essa ação.

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

- Timber - para logging.
- Schematic - para implementar Content Providers facilmente.

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

- Ad service: para versão FREE (com propaganda) e PAID (sem propaganda).
- Location: possibilidade de indicar um local onde as notificações possam ser exibidas (a residência do usuário, por exemplo).

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

Ter o básico do projeto Android funcionando: uma tela em branco.

- Criação do repositório GIT;
- Criação do projeto no Android Studio;
- Configuração básica do gradle;
- Main Activity (vazio) da aplicação.

Task 2: Implement UI for Each Activity and Fragment

Implementação das telas com funcionalidades básicas.

- UI para a MainActivity;
- UI para o editor de Tasks;
- Database / Content Provider para persistência dos dados;
- UI para exibir os detalhes das Tasks;
- UI para o histórico de tarefas concluídas.

Task 3: Implement Settings

- Implementação da tela de Settings.

Task 4: Implement Notification

- Implementação da Notificação diária.

Task 5: Implement Widget

- Implementação do Widget.

Task 6: Implement Ad Service

- Implementação do Ad Service;
- Separar as builds em versão FREE e PAID.

Task 7: Implement Location Service

- Implementação do Location Service: notificar somente quando o usuário estiver na área estipulada.

Task 8: Finalizações

- Criar o APK assinado.

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**"