How to Use this Template

1. Make a copy [File → Make a copy...]
2. Rename this file: "**Capstone_Stage1**"
3. Replace the text in green

GitHub Username: alexnavarro

Scheduling

Description

Nowadays you are very busy that sometimes is hard even to give a call to schedule a haircut. Scheduling app came to help very busy people to schedule her favorite hair stylist using a mobile phone.

Intended User

This application is for busy people and who hates speak on the phone.

Features

- Scheduling a haircut
- See the phone of the salon
- Cancel a scheduling
- See available time of a hair stylist

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

In this screen are listed all partners salons. The information in ench item of the list are: salon name, address (on the left) and the phone number on the right. If a item is clicked then screen 2 is open.

Screen 2

In this screen are presented the full address and a list of available professionals of an specific salon. If the user has made an appointment with any profissional on the list then the time will be shown on the right. A click in any item of the list will open screen 3.

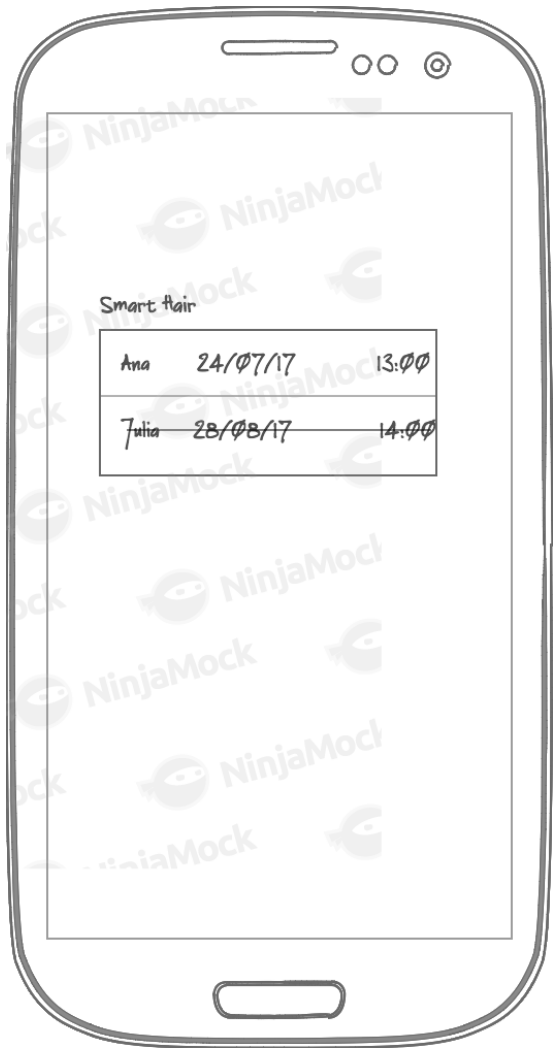
Screen 3

Here are shown the available time of the professional, any appointment made and a possibility of cancel the appointment. The available time is set with current day, user can choose another day in the future. If is the first schedule (after pick up an hour) then the screen 4 is open.

Screen 4

Only a name and phone are necessary for scheduling a haircut, after click on insert button the user return to screen 3 and has the confirmation of the schedule.

Widget



Widget with 3 last schedulings. If some of them were canceled a horizontal line is drawn to express it.

Key Considerations

How will your app handle data persistence?

For my whole application make sense using Firebase realtime database because the salons will use an web application connected with Realtime database and they need to see all changes on schedule.

Describe any edge or corner cases in the UX.

If the salon need to cancel an appointment would be great user receive an push with the a reasonable explanation.

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

Firebase push notification , Firebase Realtime database (for have a consistency with user app and salon web app), support library (recycler, design) for helping the development process, dagger (for help with separation of concerns), live data (keep thing clean and deal well with change configurations), picasso to load images, analytics from play service for tracking the scheduling process, gson for converting json to objects, retrofit for deal with network is necessary.

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

Firebase push notification, and Real time database has android skd to integrate with Android and I'll do the configuration and integrate with the projeto.

I'll make the backend for the application and web application using Firebase Functions if necessary.

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

- Create the project on github
- Create the project on Android Studio
- Make the first commit and push to github
- Configure libraries
- Signed de apk

Task 2: Implement UI for Each Activity and Fragment

- Build UI for MainActivity (recycler, item of list)
- Build UI for SalonActivity (recyclerView with professionals)
- Build UI for ProfessionalActivity
- Build UI for LoginActivity

- Build UI for Upcoming Appointment widget

Task 3: Database

- Draw the database structure
- Create table on firebase

Task 4: Backend

- Create a Function to send an push to the user if any of their appointments were canceled or changed.

Task 5: Upcoming appointment Widget

- A widget with upcoming appointments must be implemented for show this relevante information for the user.

Task 6: Remember the upcoming events

- A Firebase Job Dispatcher must be fired as a push notification 2 your before the next event.

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**"