

How to Use this Template

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GitHub Username: **seridan**

my Hotel

Description

Find out about the activities, restoration, services and more info of your favorite hotel with this app.

Intended User

This application is intended for hotel customers.

Features

- Shows information about the services offered by a hotel.
- Provides info and schedule about the activities and shows.
- Offers notices about preferred activities.

User Interface Mocks

Screen 1

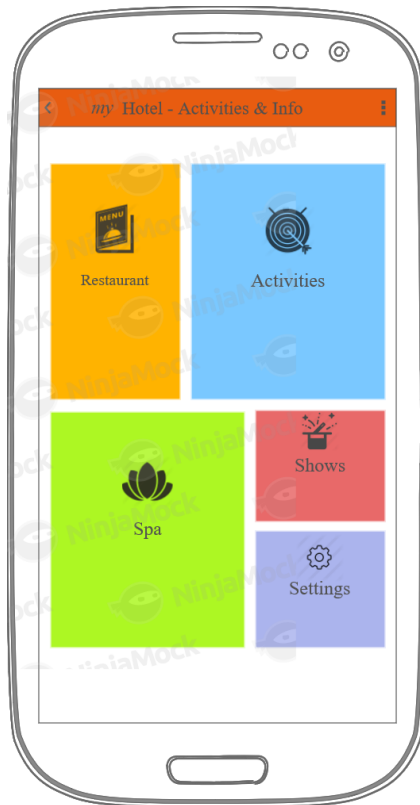
This is the login screen, where the user must login for the first time.



Click on the sign in on the button of the above image, the user can navigate to the main screen.

Main Screen.

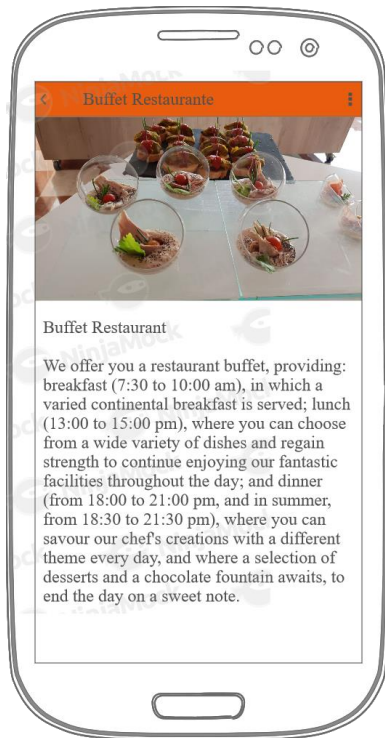
This is the main screen, where the user can select any option they want.



Next I will describe each screen of each option that the user can select.

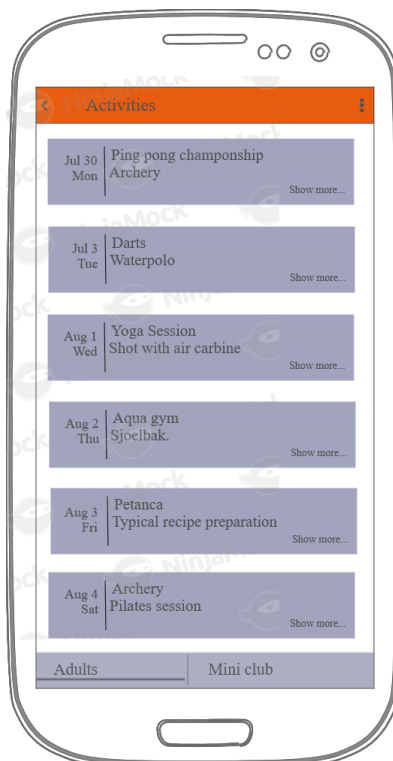
Restaurant Screen

The restaurant screen show a description and schedule of the restaurant.



Activities Screen

This screens shows a list of activities for each day of the week.



By pressing an item of the list it will show another screen with detail activities and schedule.

Detail Activities Screen

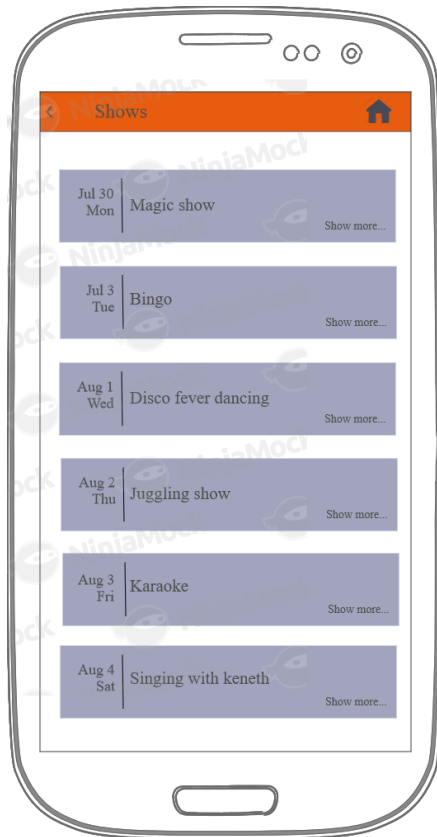
Shows the details of each activity and schedule. It can be marked as favorite by pressing the fab icon.



By pressing fab icon, the app will launch a notification when the activity it will start.

Show Screen

This screen shows a list of shows for each day of the week and schedule.



By pressing an item of the list it will show another screen with detail show.

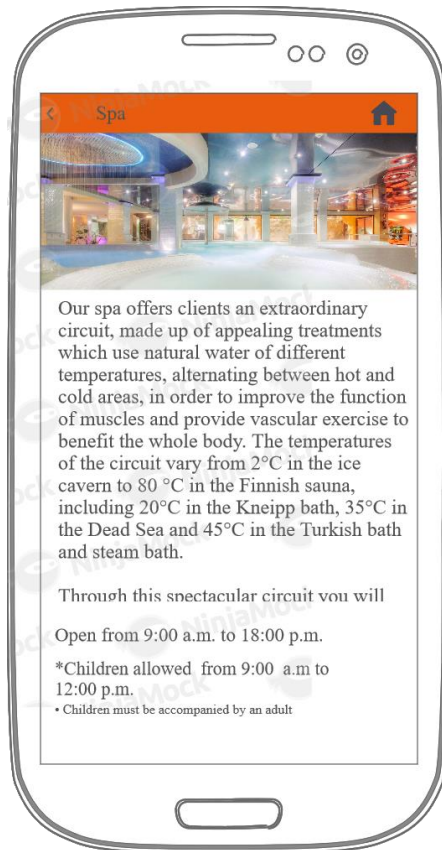
Detail Show Screen

Shows the show info.



Spa Screen

This screen shows an info about the spa as well the schedule.



Settings Screen

The settings screen the user can allows to show notifications or not.



Widget Screen

A widget containing a list of activities or any info that will be done soon.



Key Considerations

How will your app handle data persistence?

To handle the data the app will use Firebase Realtime Database.

Describe any edge or corner cases in the UX.

If the internet connection is poor or any background process is slow, will be shown a progress bar.

When any null data is received, a message will be displayed informing the user that no data is available.

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

Gson to handle json data.

ButterKnife for binding views and eliminate findViewById calls.

Firebase Realtime Database. Store and sync data with NoSQL cloud database

JobDispatcher for scheduling background jobs.

Firebase Cloud Messaging send messages to users.

Glide or Picasso to handle and cache the images.

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

In build.gradle app module add a new build rule under dependencies for the latest version of play-services.

Check if in the top-level build.gradle contains a reference to the google() repo or to maven { url "https://maven.google.com" }.

Save the changes, and click **Sync Project with Gradle Files** in the toolbar.

Next Steps: Required Tasks

Task 1: Project Setup

- Create a new repository in GitHub
- Create a new project in Android Studio.
- Add all the necessary dependencies.
- Push the project to GitHub repo.

Task 2: Implement UI for Each Activity and Fragment

- Build UI for LoginActivity
- Build UI for MainActivity
- Build UI for the rest Activities and Fragments.

Task 3: Implement **Google Play Services**

Implements all Google Play Services (Firebase Realtime Database, JobDispatcher, Firebase Cloud Messaging...)

Task 4: Implement Layouts and logic code.

- Create layout .
- Create data classes (POJOS).
- Create the logic to handle logging screen.
- Create the logic to manage Fragments.

Task 5: Test Google Services

- Tests database, messages and JobDispatcher

Task 6: Add Widget and Material design

- Implements app widget
- Implements material design patterns (Transitions, collapsing toolbar...)

Task 7: Sign App

- Generate keystore (referred to by a relative path) and password.
- Include in the repository.

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**"