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

GitHub Username: pablomoreno61

Torrats

Description

If you want to keep updated about band events, parties, special dates and if you don’t want to miss any of our parties, just download this app.

Intended User

This app is designed for fan supporters of the party band called Torrats.

Features

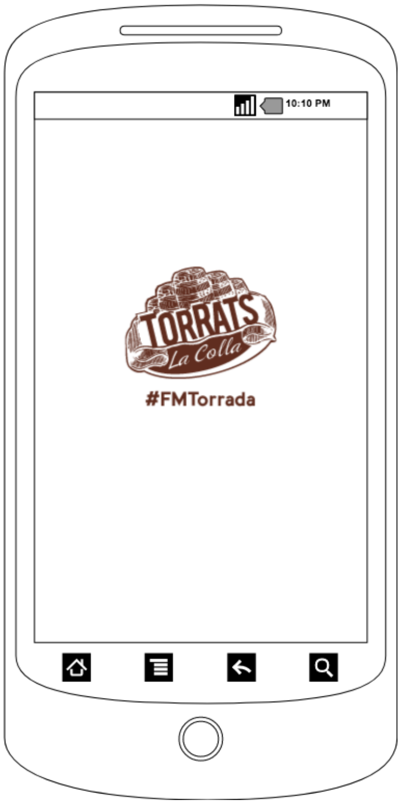
Main features of the app:

- Event calendar
- Event detail
- Photo gallery

User Interface Mocks

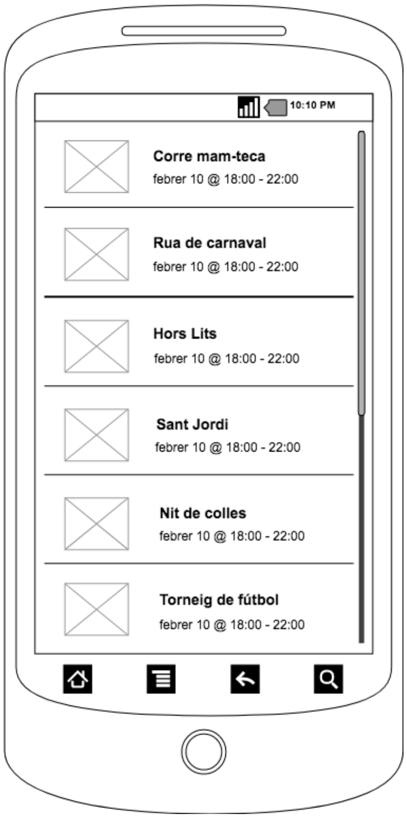
These can be created by hand (take a photo of your drawings and insert them in this flow), or using a program like Google Drawings, www.ninjamock.com, Paper by 53, Photoshop or Balsamiq.

Splash Screen



This screen shows a splash screen while app is starting.

Event Calendar list [MOBILE VERSION]



Corre mam-teca
febrer 10 @ 18:00 - 22:00

Rua de carnaval
febrer 10 @ 18:00 - 22:00

Hors Lits
febrer 10 @ 18:00 - 22:00

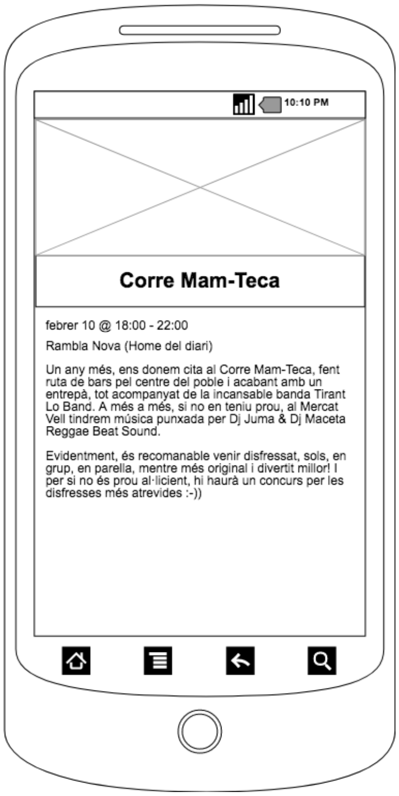
Sant Jordi
febrer 10 @ 18:00 - 22:00

Nit de colles
febrer 10 @ 18:00 - 22:00

Torneig de fútbol
febrer 10 @ 18:00 - 22:00

This screen shows all the incoming events, title and event date. By clicking on an event block, the event detail will be displayed

Event Calendar detail [MOBILE VERSION]



Corre Mam-Teca

febrer 10 @ 18:00 - 22:00

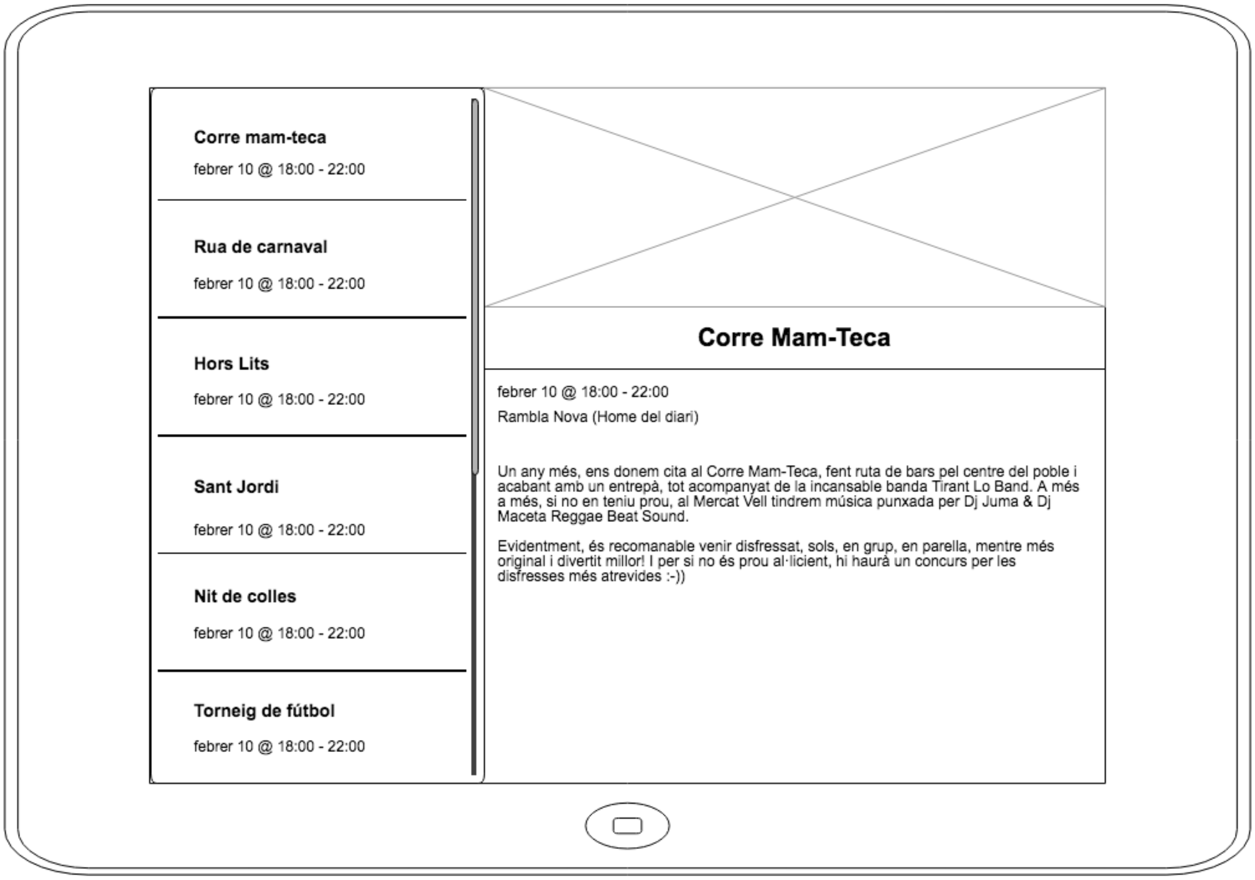
Rambla Nova (Home del diari)

Un any més, ens donem cita al Corre Mam-Teca, fent ruta de bars pel centre del poble i acabant amb un entrepà, tot acompanyat de la incansable banda Tirant Lo Band. A més a més, si no en teniu prou, al Mercat Vell tindrem música punxada per Dj Juma & Dj Maceta Reggae Beat Sound.

Evidentment, és recomanable venir disfressat, sols, en grup, en parella, mentre més original i divertit millor! I per si no és prou al·licient, hi haurà un concurs per les disfresses més atrevides :-))

The event detail screen will display the event data with a detailed description of it. The data provided will include a title, event date, photo and a text description

Event Calendar [TABLET VERSION]



Corre mam-teca

febrer 10 @ 18:00 - 22:00

Rua de carnaval

febrer 10 @ 18:00 - 22:00

Hors Lits

febrer 10 @ 18:00 - 22:00

Sant Jordi

febrer 10 @ 18:00 - 22:00

Nit de colles

febrer 10 @ 18:00 - 22:00

Torneig de fútbol

febrer 10 @ 18:00 - 22:00

Corre Mam-Teca

febrer 10 @ 18:00 - 22:00

Rambla Nova (Home del diari)

Un any més, ens donem cita al Corre Mam-Teca, fent ruta de bars pel centre del poble i acabant amb un entrepà, tot acompanyat de la incansable banda Tirant Lo Band. A més a més, si no en teniu prou, al Mercat Vell tindrem música punxada per Dj Juma & Dj Maceta Reggae Beat Sound.

Evidentment, és recomanable venir disfressat, sols, en grup, en parella, mentre més original i divertit millor! I per si no és prou al·licient, hi haurà un concurs per les disfresses més atrevides :-))

The tablet version will contain a special layout focused on the table size. By parting the screen in two blocks, one block will contain the event list and the right block will display the selected event description.

Photo Gallery list

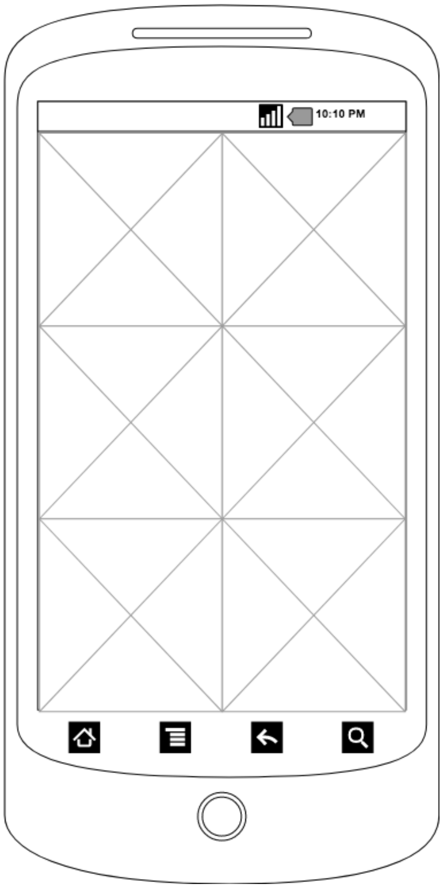
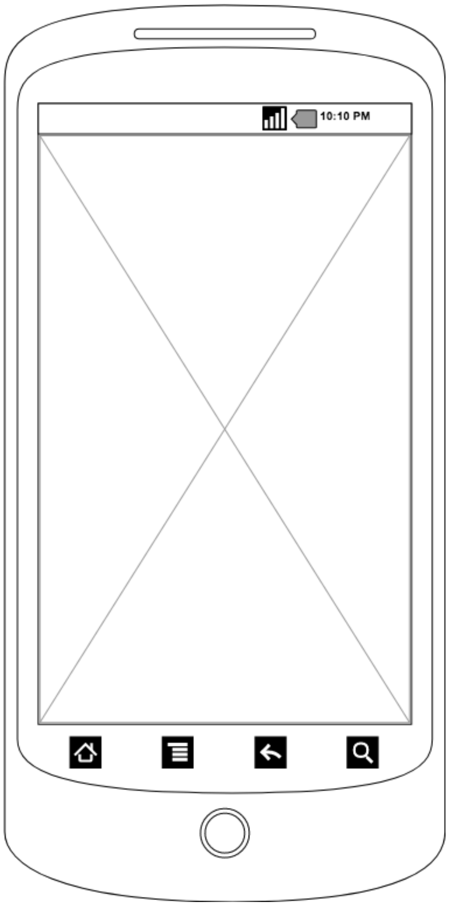


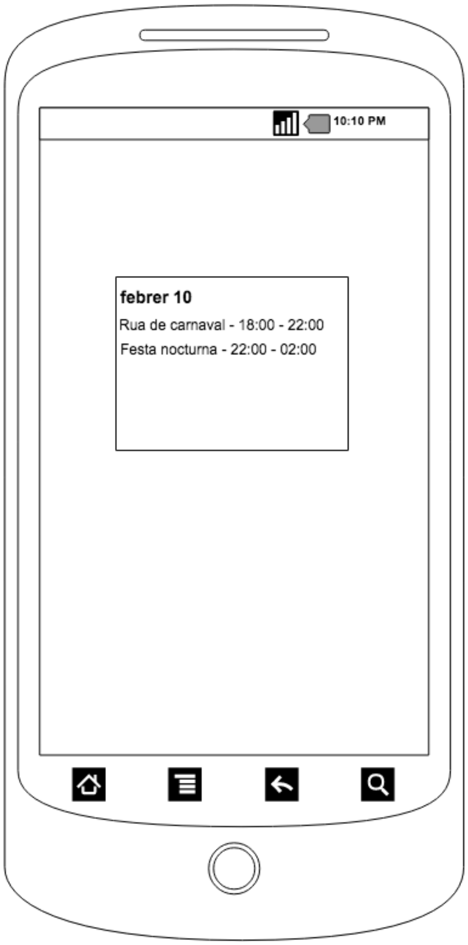
Photo gallery is expected to be built as a grid view, so it will display as many rows and columns of images as the width size of the device allows. By click on the image we will be able to see it in a bigger size.

Photo Gallery detail



After clicking on an image of the photo gallery list, a new activity will be opened with the selected image in a bigger size.

Widget



febrer 10

Rua de carnaval - 18:00 - 22:00

Festa nocturna - 22:00 - 02:00

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

Key Considerations

How will your app handle data persistence?

Data will be fetched through an async loader from Wordpress API and it will stored through a custom Content Provider, and it will cache it locally in a SQLite database for event data. Images from gallery will be cached in memory.

Describe any edge or corner cases in the UX.

Calendar will display two different layouts for mobile or tablet. In first case, detail event will be opened in a new intent by clicking on the event title, and a back button will be shown at the top.

Tablet version will display a fragmented view into to pieces, in the left side you will find the event titles and in the right side you will read the event detail data.

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

- Picasso to handle the loading and caching of images
- Butterknife for loading resources
- Retrofit2 / Okhttp to API communications
- Snackbar for notification purpose
- RecyclerView for event list data
- GridView for photo gallery
- Firebase messaging for push notifications

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

I will create a firebase account to send push notifications. Also I will include firebase analytics to analyze user behaviour inside the app.

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 git repo
- Build a skeleton project
- Add dependencies to gradle

Task 2: Implement UI for Each Activity and Fragment

- Setup layouts for both mobile and tablet versions
- Setup activities for:
    - SplashScreen
    - Calendar list / detail view

    - Photo gallery list / detail view
- Create fragments for calendar views

Task 3: Integrate Wordpress API

Allow network connections and Integrate JSON parser for wordpress API

- Read events from Calendar
- Read photos from PhotoGallery

Task 4: Widget

This widget will display the next incoming event, photo, date and title of it, linked to the calendar detail screen.

Task 5: Cache

Introduce cache system for photos and calendar data

Task 6: Firebase

Setup firebase account and allow receiving push notifications.

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**"