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# MyMexico

## Description

MyMexico is an app that provides info about Mexico Country.

Problem:

The user will get information about what is Mexico, about his people, traditions, folklore and some news related about it.

Proposed Solution:

MyMexico app allows the user to get notification about the most relevant info from the country, this info will be store in the device. This info will be provide from an API and FCM service. The app should shows the info.

What they can see it (i.e view name of the new, maybe an image depending of the info, description, etc) or they can dismiss the it. The news will be display it in the app and save it. It handles intents to communicate with the app.

## Intended User

The app can be used for all the people in the world(This app will be available for the countries Mexico and EU)

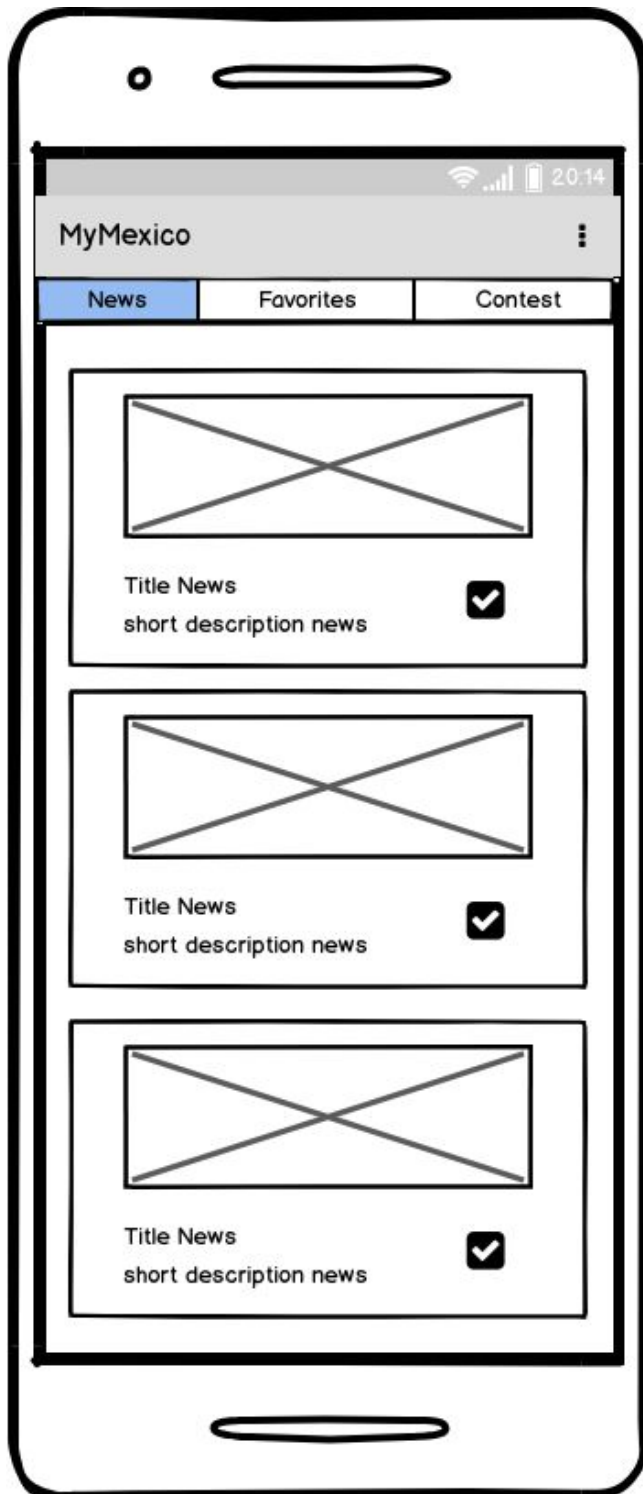
## Features

List the main features:

- Saves information
- Shows a notification for the tests
- The user can decide if he want to add the info into favorites catalog
- 2 ways of showing the information GridViews(big devices) or listView(phones)

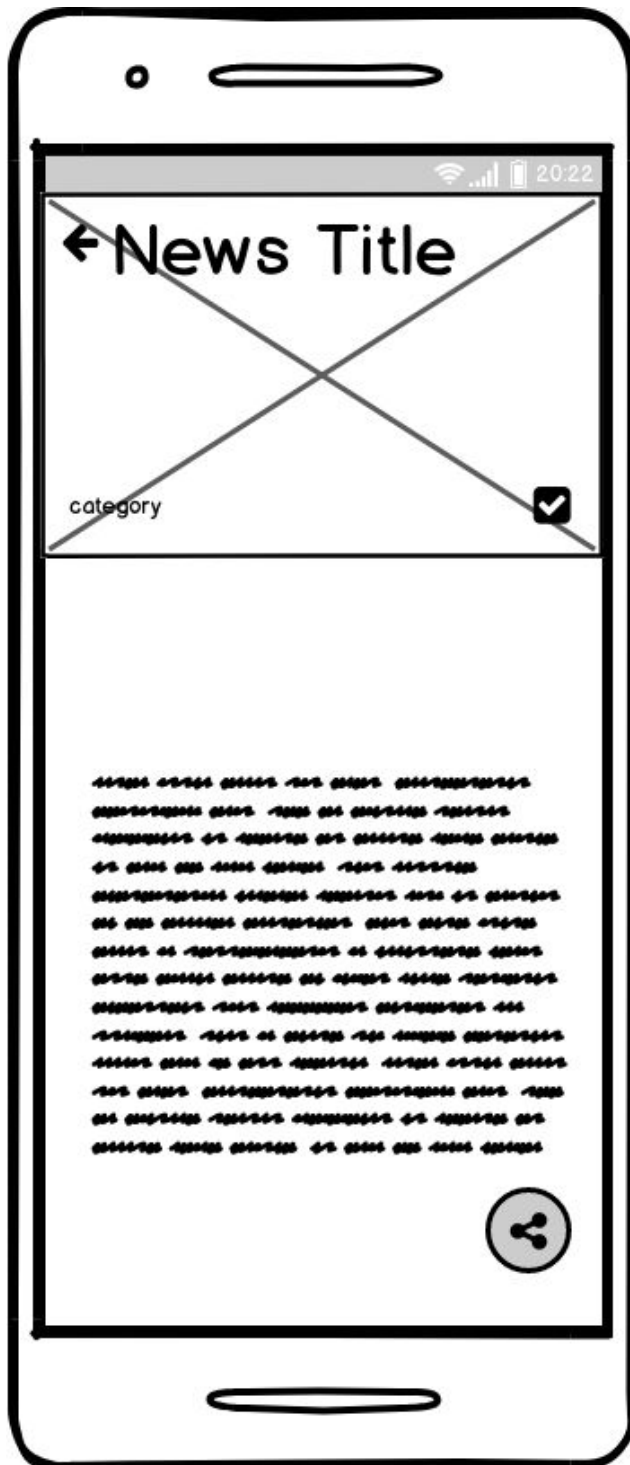
## User Interface Mocks

## Screen 1



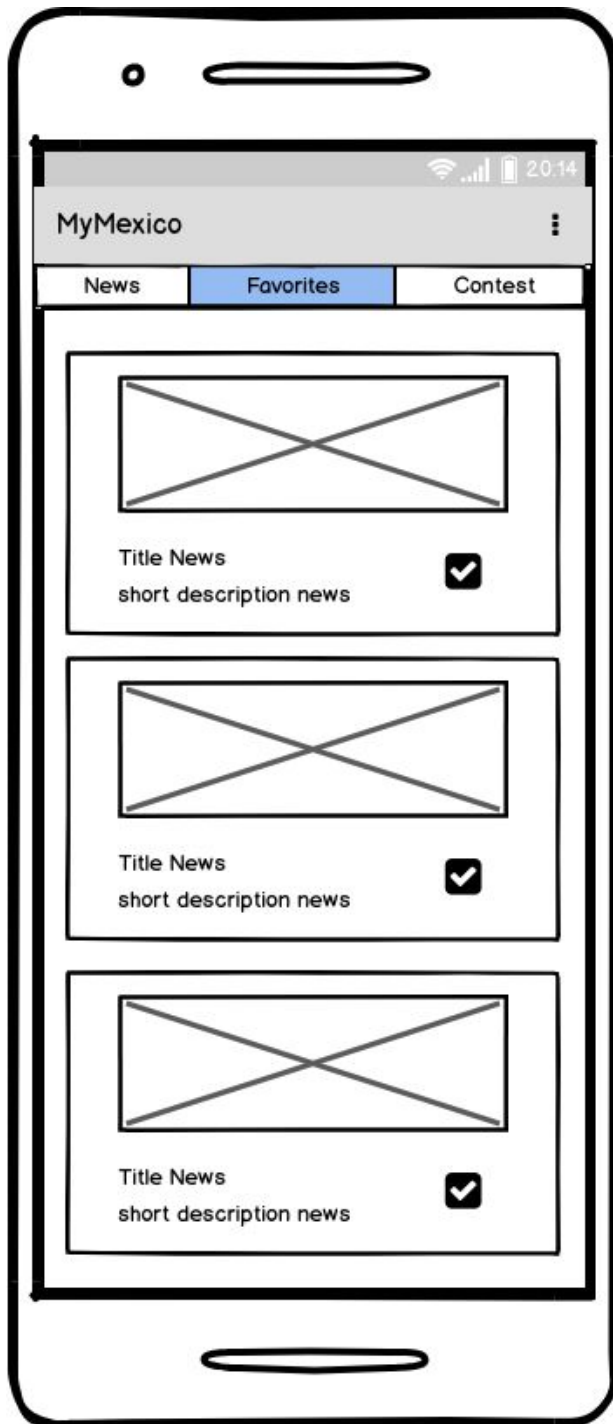
This screen is for small devices like phones (tablets will use a GridViews), there are 3 tabs, in this case is All the news

## Screen 2



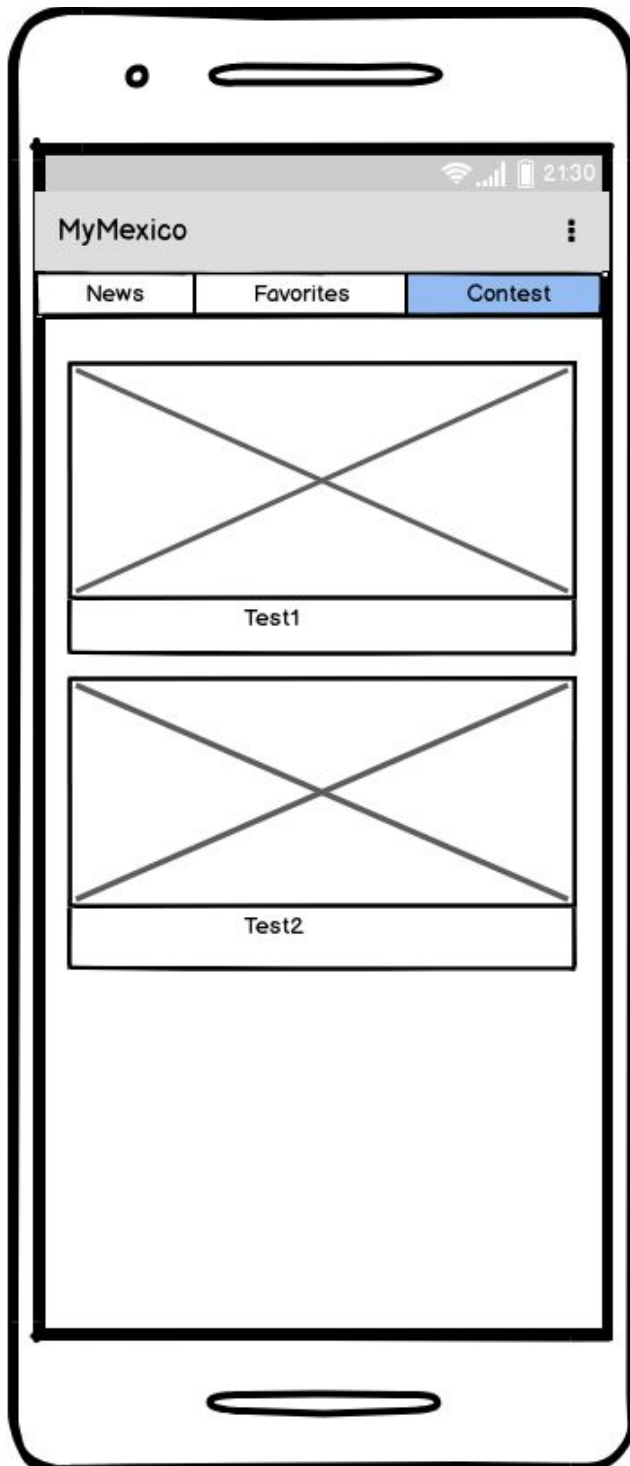
This screen shows the details information for the news and favorites.

## Screen 3



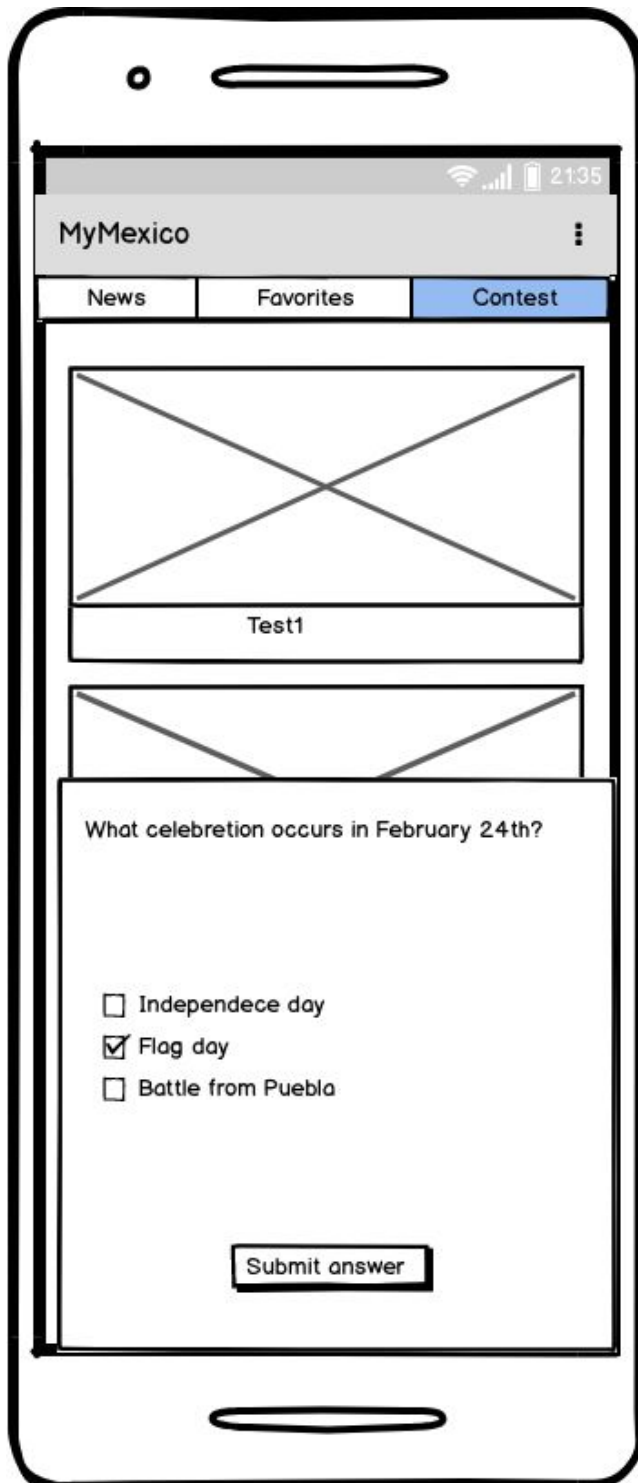
This is screen is for a personal catalog, the user can add/remove a news to favorite catalog

## Screen 4



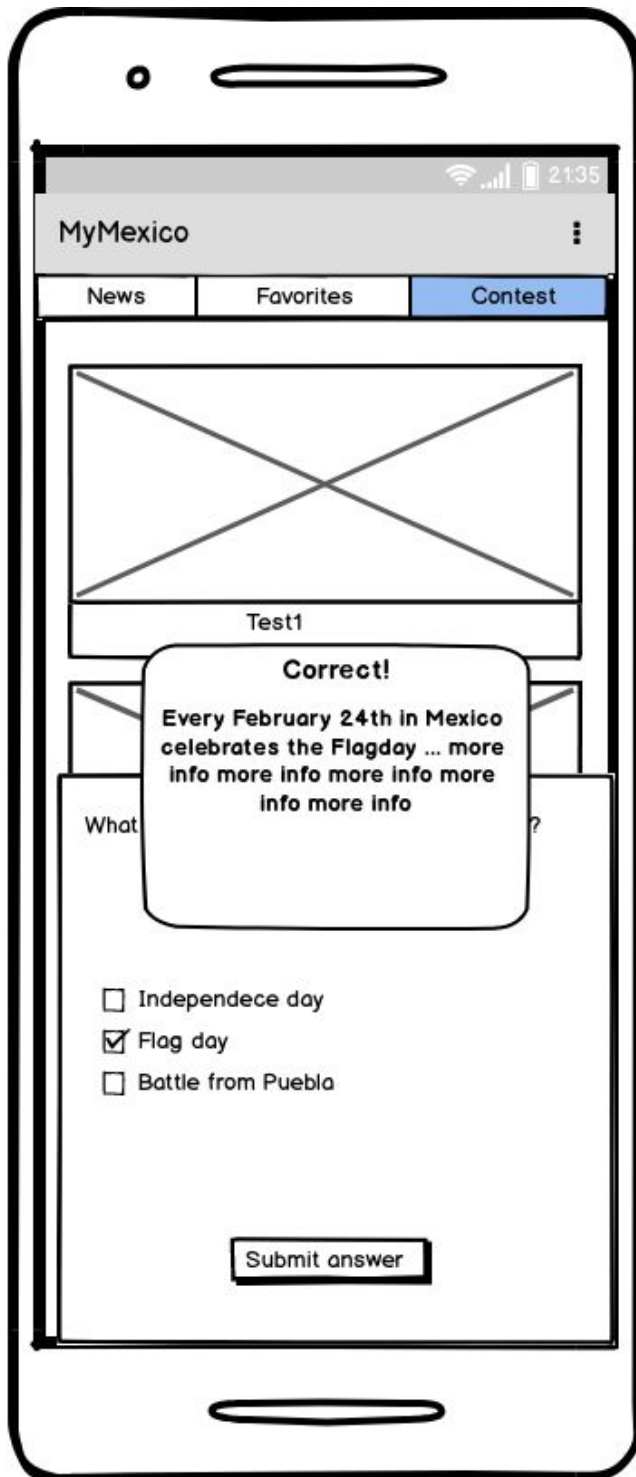
This screen is for a small test. When the user hits the card, I will popup a new fragment of information.

## Screen 5



When user hits atest a popup shows a question and 3 posibles answer, the user has to submit the answer with the button.

## Screen 6



Once the user submit the answer a popup come up if the answer was correct or incorrect depending on it



## Key Considerations

### How will your app handle data persistence? through

The way that this app will handle the data, it will be calling an API for the news and that info will be saved in a local database through a content provider also It will use a FCM just for the contest part it also will be saved in a local media by the content provider.

### Describe any edge or corner cases in the UX.

The user will be able to go back by the default back button on the android bar and if user is in details page will be another back button in top corner left. User can go between tab News, Favorites and Contest.

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

In order to handles images the app will use Picasso library and for call a rest service it will be user OkHttp(It will probably will need more libraries)

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

The app will be using Firebase Cloud Messaging to get the tests for Contest section

## Next Steps: Required Tasks

### Task 1: Project Setup

Create the initial project and sources.

- Configure Library Okhttp and call the rest API
- Configure content provider for API.
- Save API info in the local media using the content provider
- Configure FCM on server sider
- Configure FCM on the APP
- Save the info from the FCM into local database using content provider.

### Task 2: Implement UI for Each Activity and Fragment

Create fragments to handle information.

- Build UI for News
- Build UI for details News
- Build UI for Favorites
- Build UI for details Favorites
- Build UI Contest
- Build UI for detail contest

### **Task 3: Apply styles and Formatting**

Create an styles and sizes for different phone and tablet resolution

List the subtasks:

- Create layout for tablets and phones
- Apply different styles depending on the screen

### **Task 4: Apply Material Design**

List the subtasks:

- Create BottomSheet for test
- Animation from ListView to Details section
- Try to add parallel animations

### **Task 5: Add an notification message when a new message came**

Create a notification message behavior for new messages from FCM

- Create Popup
- Add logic to go to the section Contest

### **Task 6: Future TODO's.**

When the previous tasks get completed, add future developments.