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**GitHub Username**: yuljlee

# Things To Do Near Me

## Description

Things to do near me is a mobile application to help people search for some upcoming events for pleasure. Users can get the latest event information by categories, city, date etc provided by Yelp Event endpoint.

## Intended User

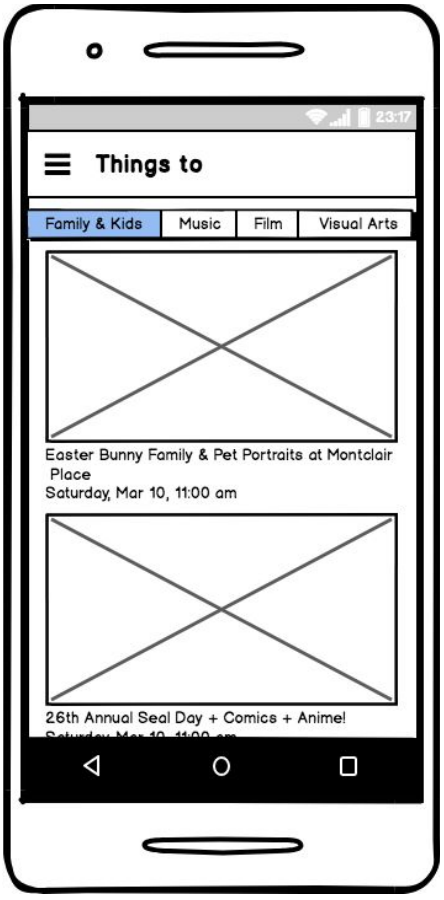
This App is for everyone who wants to find fun events in town.

# Features

- Show the events list by categories (Kids & Family, Film etc.)
- View the events details.
- Display markers the event location on google map.
- Share the event information with others.

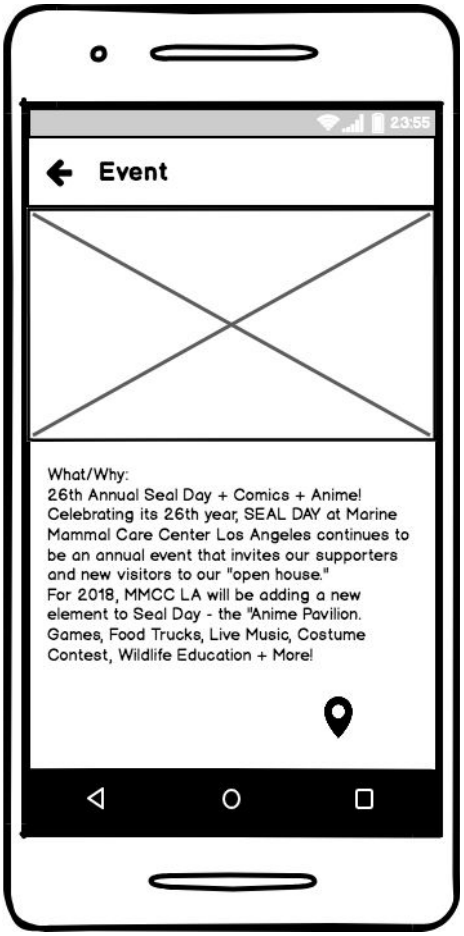
# User Interface Mocks

### Screen 1 - Home Screen




Show event listing on the screen retrieved from Yelp Fusion API.

## Screen 2 - Event Detail Screen




This screen will open when user taps any event on event listing on main screen. User can view the event images and share the event details. User can go to the google map to view the event location.

## Screen 3 - Event Location


This screen will show the event location to user.

### Screen 4 - App Widget


App widget shows some of the event information.

## Key Considerations

### How will your app handle data persistence?

Application will use a content provider and shared preferences to keep its data locally. A content provider will provide events data to the app.

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

- User closes the app while API request was taking place: App might be crashed.
- User changes orientation while API request is being made: App might be crashed.
- Event location will not display when there is something wrong on network.

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

- Butterknife: To bind views for code simplicity
- Gson: Json to POJO and vice versa
- Picasso:  To handle the loading and caching of images

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

- Application will be using Google map api to display event location.
- Application will be using Google Mobile Ads when event detail screen is displayed.

# Next Steps: Required Tasks

## Task 1: Project Setup

- Get a access key for Yelp Fusion api
- Review the api for implementing
- Configure libraries

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

- Build UI for MainActivity
- Build UI for Event DetailActivity
- Build UI for widget

## Task 3: Add Transitions

- Implement transitions for each Activities

## Task 4: Add Data Persistence

- Create a database to hold the data.
- Implement content provider to store the data locally.
- Integrate an IntentService to fetch data from API.

## Task 5: Implement query to Yelp API

- Showing data retrieved from local db on screens.
- Displaying marker of event location on google map.
- Handling internet connections.
- Handling error messages.

## Task 6: Create widget

- Create widget view for the app.
- Update widget view right after event data is changed.

## Task 7: Prepare app for release

- Fix some bugs remaining.
- Clean project
- Create signed apk and test installRelease task.

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