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GitHub Username: manl101

CapstoneProjectNameTBD

Description

This app will allow the user to stay up to date with concerts in their area also allows the user to search for specific artists to get a list of their upcoming tour dates.
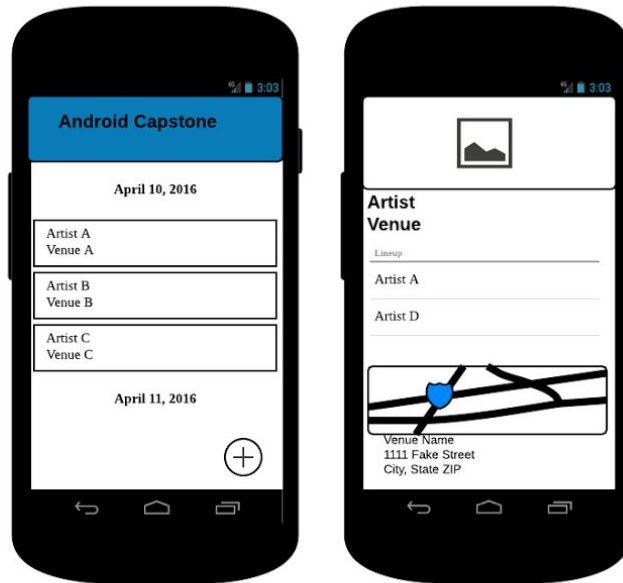
Intended User

The intended users are music lovers that like to be aware of what shows are in town

Features

- Shows nearby shows ordered by date
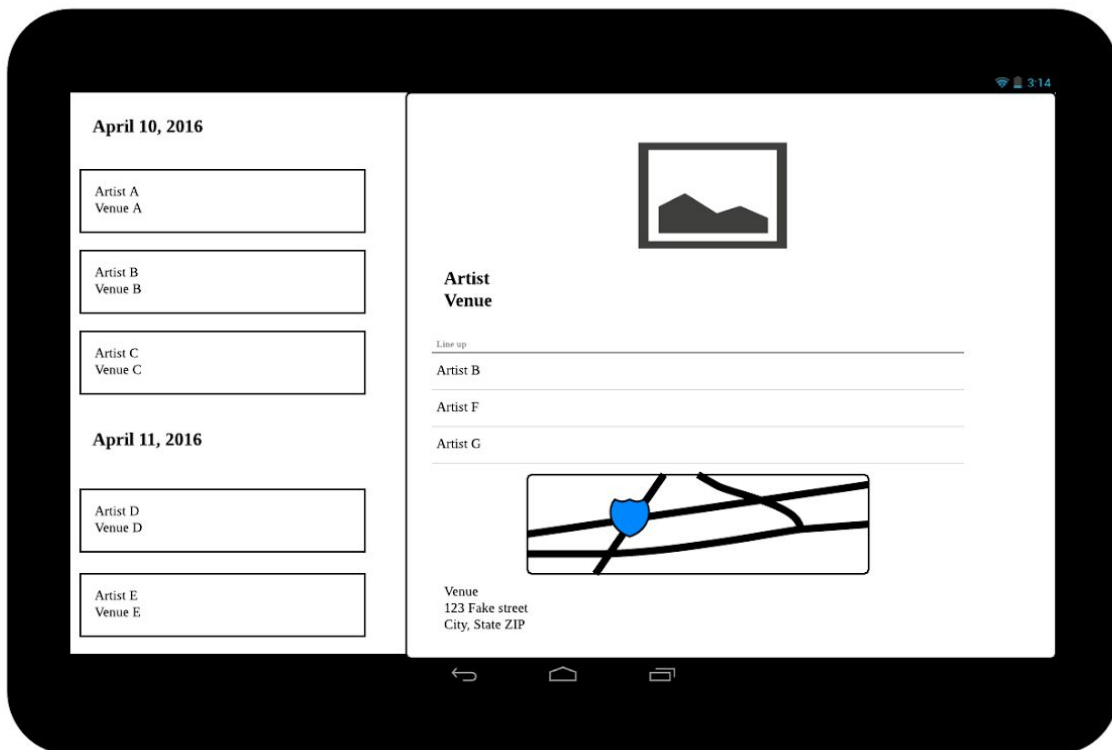- Saves future event information on the device
- Ability to specify location preferences
- Display detailed information of event (other performers, google map to location)
- Google map showing location of event will launch Google maps application
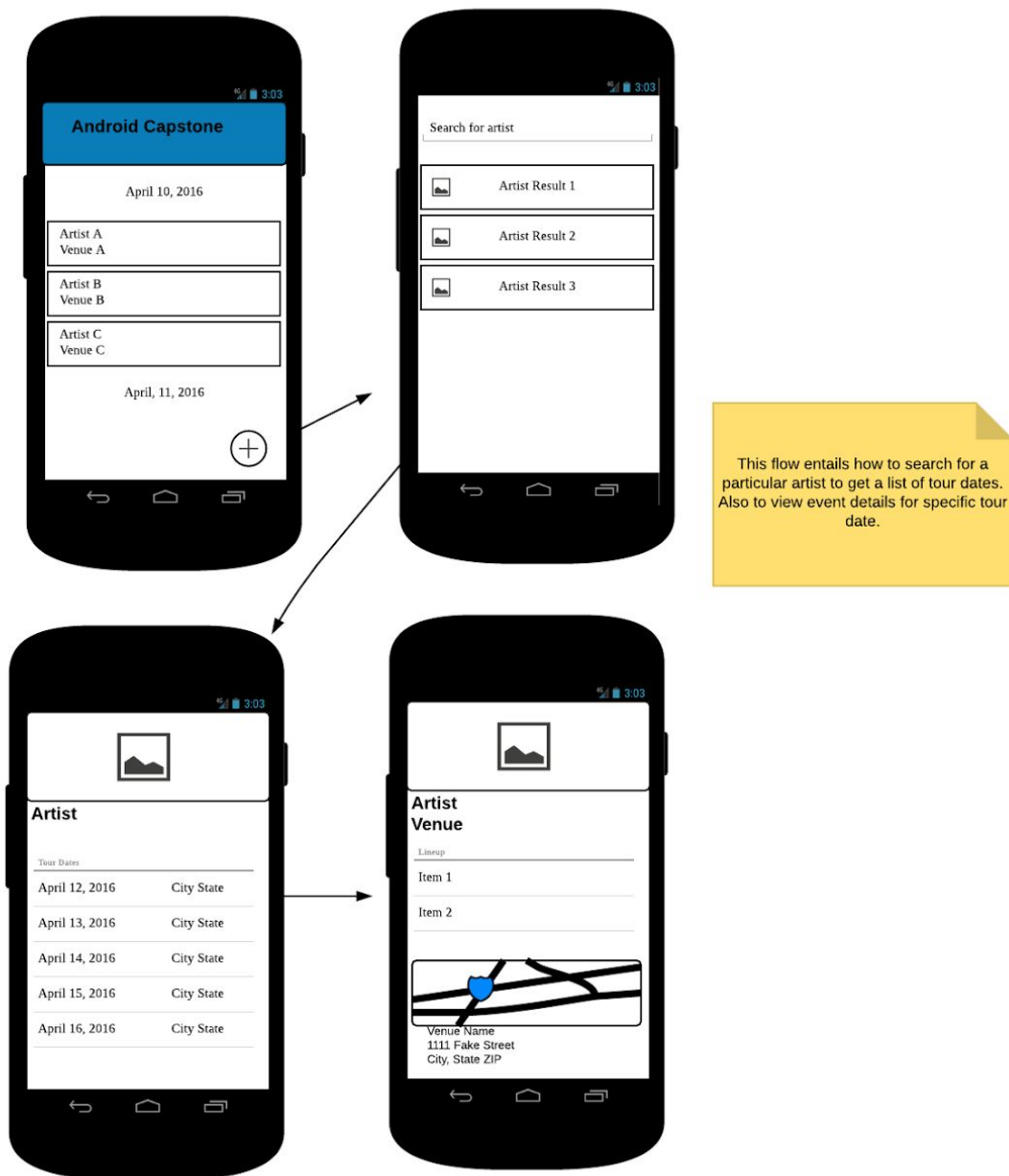- Ability to search for specific artist to get list of tour dates

User Interface Mocks

Flow 1 - Viewing events and event details

Android Capstone

April 10, 2016

Artist A
Venue A

Artist B
Venue B

Artist C
Venue C

April 11, 2016

Artist
Venue

Lineup

Artist A

Artist D

Venue Name
1111 Fake Street
City, State ZIP

The main screen is a list of events in the area sorted by date displaying the artist name and the venue. When clicked will open a event details screen which will display an image of the artist, lineup and map of the venue location.

April 10, 2016

Artist A
Venue A

Artist B
Venue B

Artist C
Venue C

April 11, 2016

Artist D
Venue D

Artist E
Venue E

Artist
Venue

Line up

Artist B

Artist F

Artist G

Venue
123 Fake street
City, State ZIP

Flow 2 - Searching for tour dates of specific artist and event details

This flow entails how to search for a particular artist to get a list of tour dates. Also to view event details for specific tour date.

Key Considerations

How will your app handle data persistence?

Data will be handled by new content provider that will handle event data from Eventful api.
Data related to user preferences like location and concert range will be saved in sharedpreferences

Describe any corner cases in the UX.

If there are no shows in the area the app will display an empty view with a messaging saying there are no shows in your area. Same behavior if users searches for specific artist and they don't have any upcoming events.

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

Picasso will be used for image caching and network calls
Android material design libraries

Next Steps: Required Tasks

1. Project Setup
2. Event list screen
3. Preferences
4. Artist Search
5. Artist search details
6. Content provider
7. Create Event details screen

Task 1: Project Setup
- add library picasso (image cache and async network calls), material design
- Obtain eventful api to retrieve event data

Task 2: Implement Event list screen
- Create main view with app bar
- Add search button that launches new activity/fragment
- Add preferences button to launch new activity

Task 3: Preferences
- Create input for location preferences
- Create input for search range of events

Task 4: Implement Artist search screen
- Create screen to search for artist with search bar
- Create async task to fetch search results using Eventful api

Task 5: Implement Artist Search detail screen
- Create details display of selected artist
- Create async task to fetch events for selected artist (Eventful api)
- Create list of events or selected artist

Task 6: Content Provider
- Create content provider for events
- Unit tests
- Update main screen to use data from content provider
- Build sync adapter

Task 7: Build event details screen
- Launch new activity/fragment when event is selected either from the main screen or artist search details screen
- Create display with detailed information about the event
- Create google map of event location
- Launch google map when user clicks on map

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