

Project

Check-in 2

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CSCI 4237

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Class Activities and Homework

Summary:

<https://github.com/GWU-CSCI-4237-Spring-2023-classroom/project-1-hernpiblo/pull/3>

Home Activity:

Updated the UI for the buttons. Added persistence for the search term using sharedPreferences.

News by location routes to Maps Activity now.

Sources Activity:

Added Spinner listener and API calls for this screens that displays the sources based on the currently selected category. Clicking the category or clicking the skip button still does not do anything now.

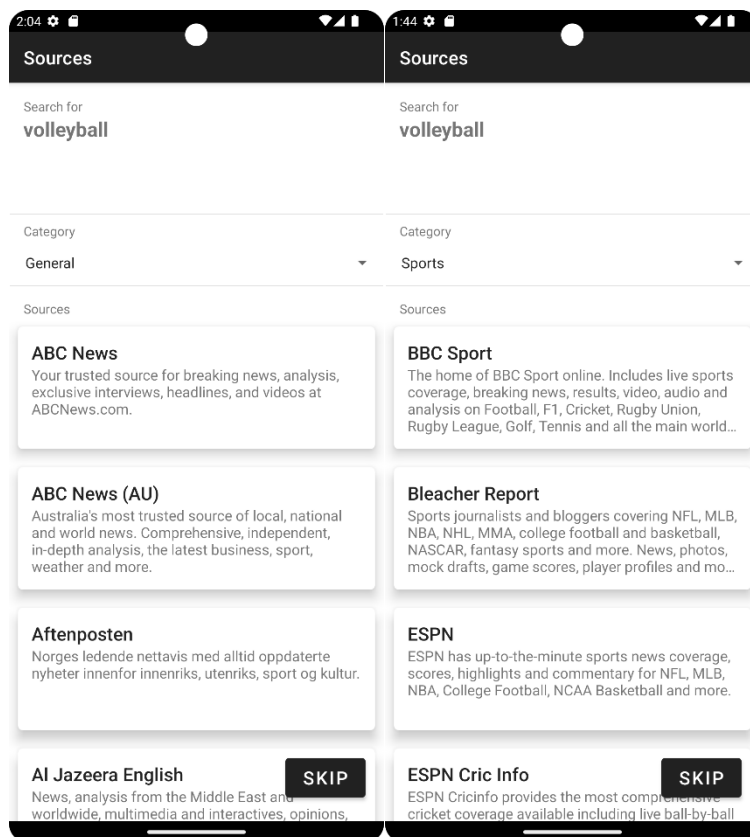
Maps Activity

Added the whole Maps Activity. Made marker always display the popup title for the address. Made the button disabled and change appearance upon requesting for news. Made the button show what the query term that was used for the API call was. Query criteria was to use state (admin area) if it is available, if not use country. Made the recyclerview cards snap. Added the feature to open in browser once clicked on the news. Added in-session persistent zoom (eg when clicking on a new place, zoom level will stay the same). Added persistence for last chosen location using sharedPreferences. Added alert dialog to handle errors when geocoder is unable to

find an address for a place clicked (such as Pacific Ocean). Add error handling string for places where address can be found but no news found by displaying different text to users. Add error handling for articles where no title/description/source is provided.

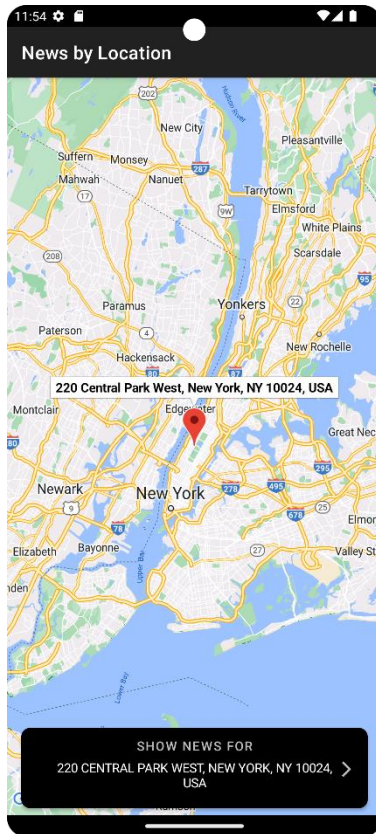
Screenshots:

Sources Screen (Different news sources from different categories API calls)

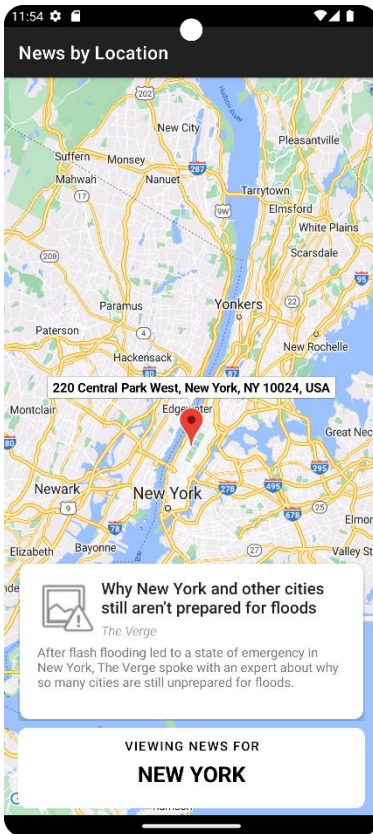


Maps Activity

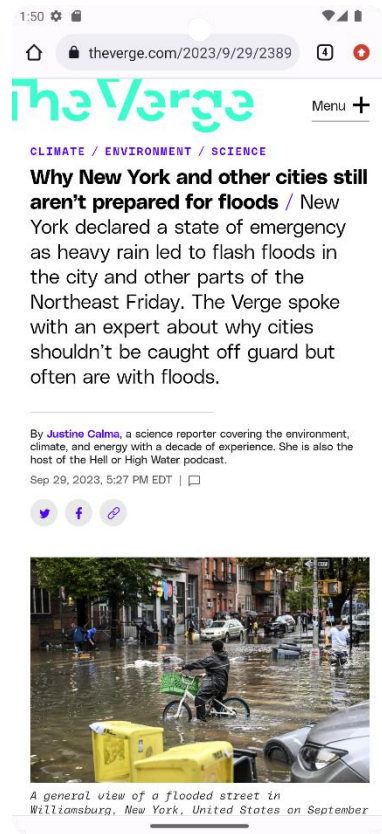
- On Long Click



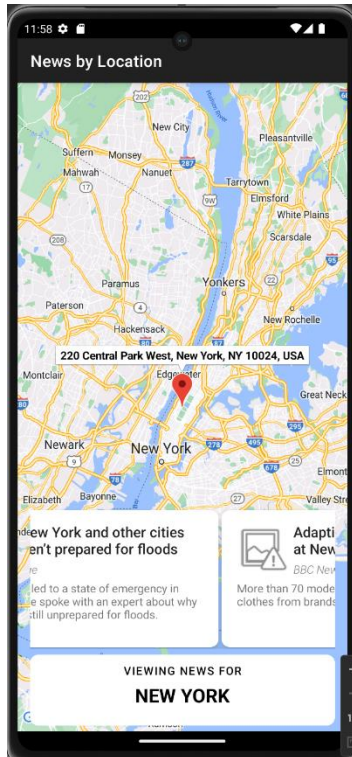
- On button press



- On clicking news article



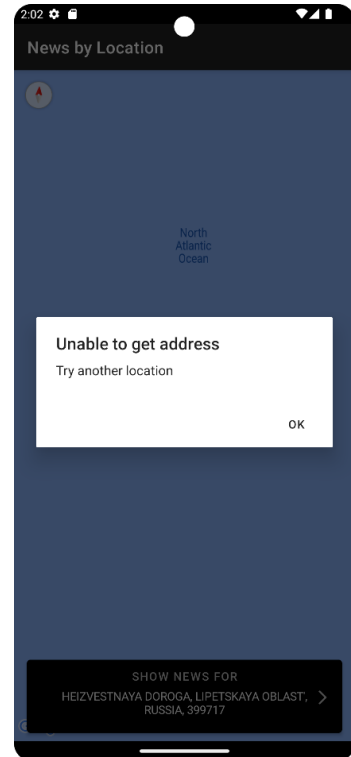
- Scrolling news



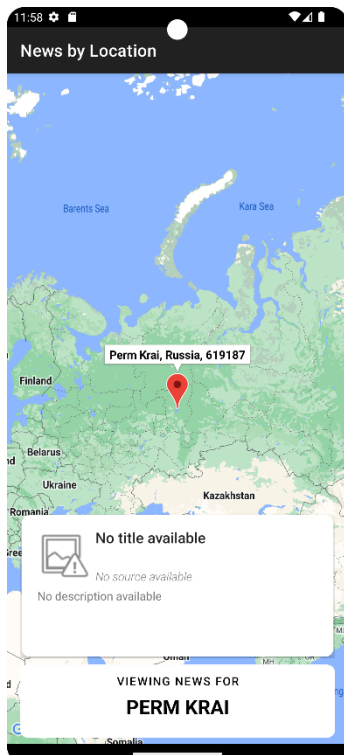
- Places with no news (error)



- Places with no address (error)



- Articles with no title/source/description (error)



Challenges:

Had to figure out how to make recyclerView horizontal, and all the other extra features I wanted (snapping, persistence, updating of styling on button click etc). Had to google how to open links in browser. Had to figure out how to add listener to spinner

Interesting Notes:

Learnt how to make the recyclerView horizontal and how to make it snap for a cleaner effect

Learnt how to use .svg icons in ImageViews and change its color programatically

Learnt how to display different title for each activity

Learnt how to add a workaround to store Double (lat & long) into SharedPreferences

Recommendations/Feedback

None