

TASK – GITHUB APP

DESCRIPTION

Practise task for Github app.

ABOUT

Simple mobile application for searching repositories from Github.

API

Github API documents are available on
<https://docs.github.com/en/rest/reference/search>

APPLICATION FLOW

Application should contain four screens. First screen is launcher search screen where user can type repository name to search. Second screen list repositories sorted by number of stars. Third screen shows details of selected repository. Fourth screen show web view content.

1. Launcher search screen

This screen is first screen which user sees when app is launched and user can type name of repository and search all repositories by that query input.

Status bar color: #858484

This screen should contain elements:

- Logo - this should be image of Github (find some on web)
- Search input - user types name of repository which we sent to Github API.

Search background color: #F1F2F6

Text color: #FF222111

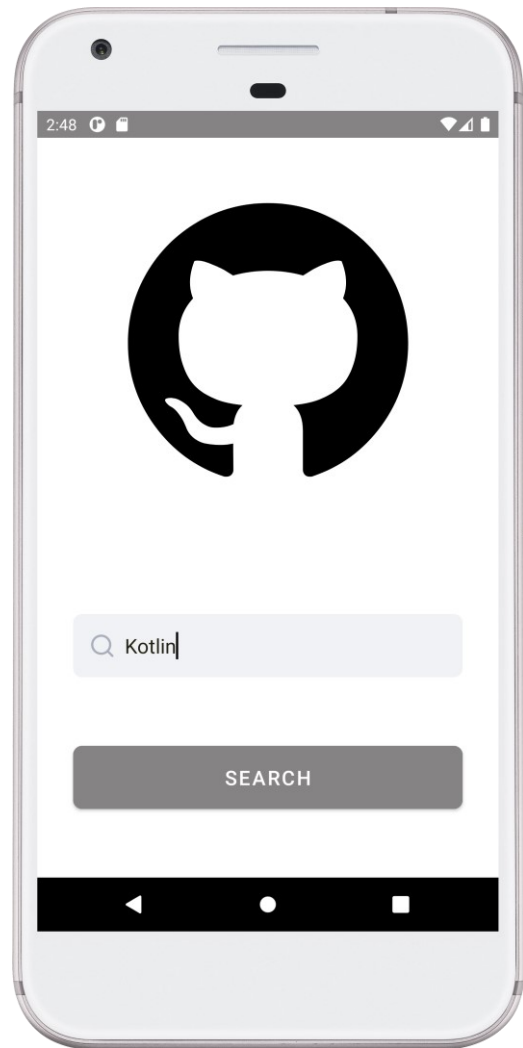
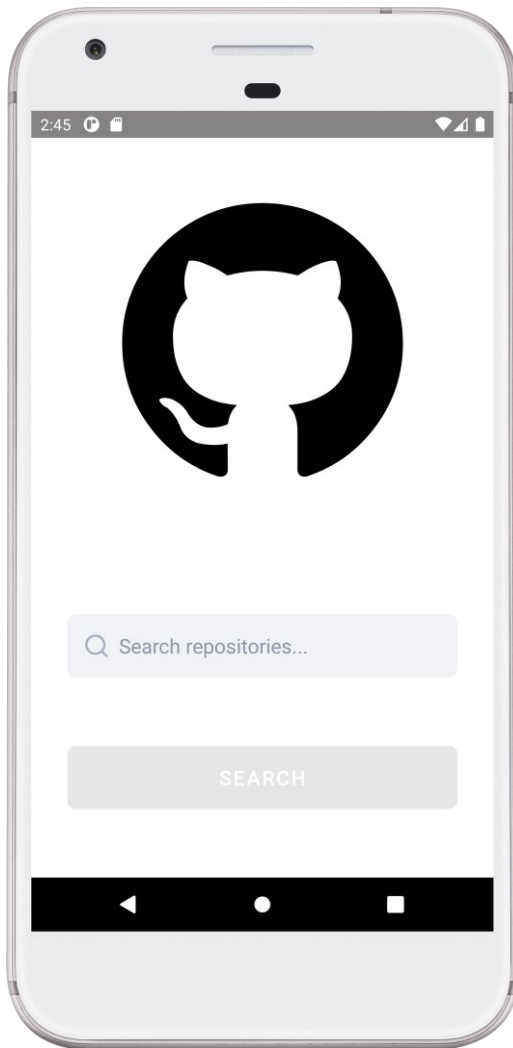
Hint text color: #8C96A5

- Search button - enabled when user input has 2 or more characters. When button is enabled and user clicks on it we should open list view with repositories.

State enabled color: #858484

State disabled color: #E6E6E6

Text color: #FFFFFF



2. Repositories list screen

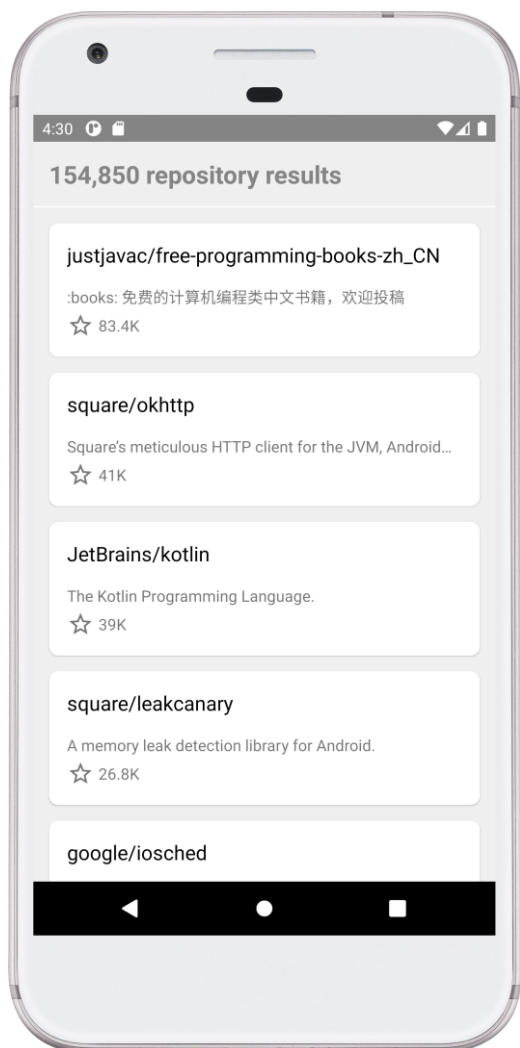
This screen list repositories (sorted by number of stars) which are fetched from Github API by search query typed in Launcher search screen. At the top of screen total number of repositories is shown.

This screen should contain elements:

- Header – formatted total number of repositories
- List view - should contain items which we retrieved from Github API.

Repository item contain: repository author name and repository name, repository description, star icon and formatted number of stars. Repository description should contain max one line and ellipsized to end. Whole repository item should be clickable, and if user click on item repository details screen should open.

Header text color: #858484

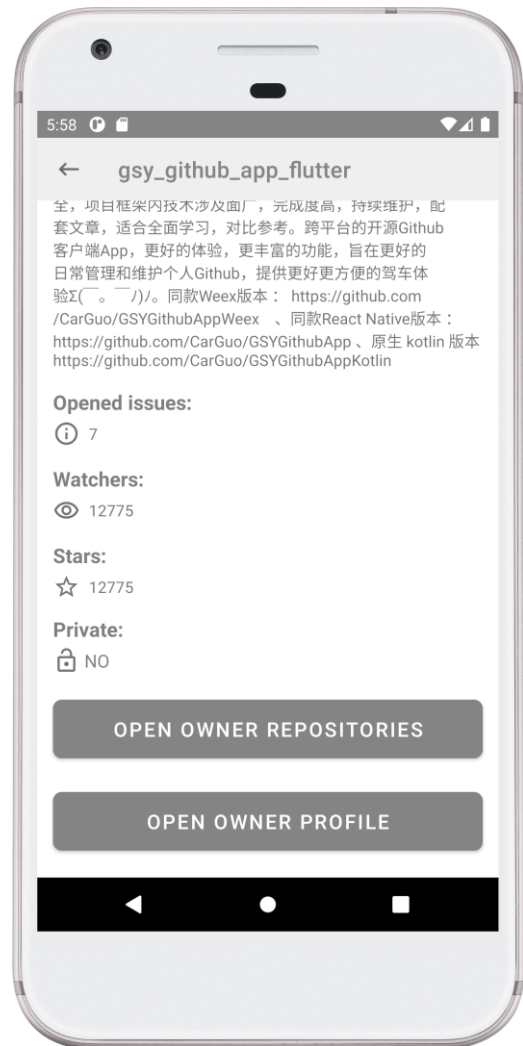
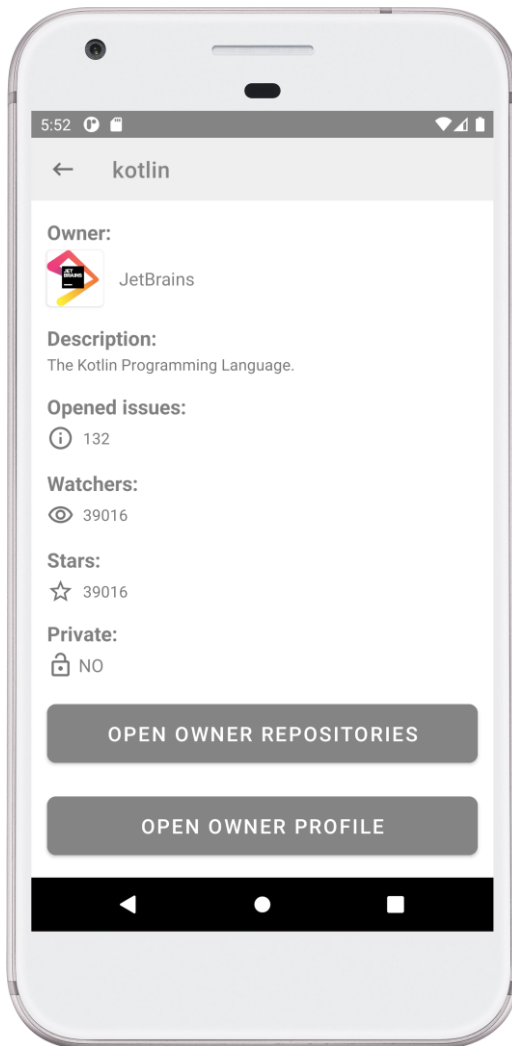


3. Repositories details screen

This screen list repositories (sorted by number of stars) which are fetched from Github API by search query typed in Launcher search screen. At the top of screen total number of repositories is shown.

This screen should contain elements:

- Toolbar – with back navigation button and repository name
- Repository details – should be scrollable
 - owner image and owner name
 - description
 - issue icon and number of opened issues
 - watcher icon and number of watchers
 - star icon and number of stars
 - privat/public icon. NO text for public repository, YES for private repository
- Button "Open owner repositories" - opens Webview screen with repository owner repositories.
- Button "Open owner profile" - opens Webview screen with repository owner profile.



4. WebView screen

This screen loads repository owner profile/repositories page. Url is received from Github API.

This screen should contain elements:

- Toolbar with repository owner name and back button.
- Below the toolbar is a web view in which we can see the repository owner profile/repositories page.

