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Angular 2 - News Application









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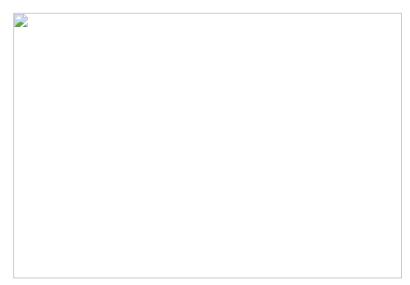


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Components



The app has the following components:

- **AppComponent**: Main Component
- **HeaderComponent**: Display the logo
- SectionsComponent: Display different sections of news
- NavbarComponent: Display sub-sections of news
- NewsComponent: Fetch the news and send to NewsItemComponent
- NewsItemComponent: Display each news item

about:blank

11/23/24, 2:56 PM my div

SectionsComponent

- Subscribe and fetch the list of sections from store.
- Loop through the array, and display each section name as routerLink.
- Should change the URL as /section/sectionName.

NavbarComponent

Display Sub-sections

- Get the list of news from the store.
- Multiple news items may be categorized in one sub-section. Filter the list of unique sub-sections from the list, and display in the navbar.

Filter News

- When a user clicks on sub-section, dispatch action, and send the sub-section name as a parameter to store.
- Updates the filter variable in store.

NewsComponent

- Send the name of the selected section to Service and get the list of news.
- Send the list of news items to update in store.
- Subscribe to store to get the news list, and send it to NewsItemComponent.

NewsItemComponent

- Get news item from NewsComponent and display it.
- Show image and caption when "Read More" is clicked.

Services

NewsService

- Has a function called getSectionNews().
- Fetches news list of the selected section from the NY Times API.

API URL:

 $\verb|wrl = 'https://api.nytimes.com/svc/topstories/v2/' + sectionName + '.json?api-key=315a5a51483b469a918246dc2753b339' | SectionName + '.json?api-key=315a5a51483b469a918246dc2753b39' | SectionName + '.json?api-key=315a5a51483b469a9' | SectionName + '.json?api-key=315a5a51483b469a9' | SectionName + '.json?api-key=315a5a514856a5' | SectionName + '.json?api-key=315a5a5a5a5' | SectionName + '.json?api-key=315a5a5a5' | SectionName + '.json?api-key=315a5a5a5' | SectionName + '.json?api-key=315a5a5a5' | SectionName + '.json?api-key=315a5a5' | SectionName + '.json?api-key=315a5a5a5' | SectionName + '.json?api-key=315a5a5' | S$

Actions

Action

Implement the following actions:

- LOAD_SECTION_NEWS: Dispatched when a user wants to load a new section.
- FILTER SUBSECTION: Dispatched when a news sub-section is clicked.

Reducers

Reducer: Sections

- Implement LOAD_SECTIONS action.
- When this action is dispatched, the reducer will return the state containing the list of sections.

about:blank 2/3

11/23/24, 2:56 PM my div

Reducer: News

Implements two actions:

- LOAD SECTION NEWS: Loads news from the selected section to the newsList in store.
- FILTER_SUBSECTION: Sets the value of the filter in store.

Selector

- Gets the news list and filter from the reducer.
- Returns a new list of news, based on the selected sub-section.

Note: You can ignore the warnings or minor errors while installation. You can run and test your application properly after installation command completes.

```
gyp ERR! stack Error: Can't find Python executable "python", you can set the PYTHO
N env variable.
gyp ERR! stack
                   at PythonFinder.failNoPython (/projects/challenge/node modules/
node-gyp/lib/configure.js:483:19)
                  at PythonFinder.<anonymous> (/projects/challenge/node modules/n
gyp ERR! stack
ode-gyp/lib/configure.js:397:16)
gyp ERR! stack
                 at F (/projects/challenge/node modules/which/which.js:68:16)
                  at E (/projects/challenge/node modules/which/which.js:80:29)
gyp
                  at /projects/challenge/node modules/which/which.js:89:16
gyp
                  at /projects/challenge/node modules/isexe/index.js:42:5
gyp
                  at /projects/challenge/node modules/isexe/mode.js:8:5
                  at FSReqCallback.oncomplete (fs.js:192:21)
         System Linux 5.15.0-1047-gcp
         command "/usr/bin/node" "/projects/challenge/node modules/node-gyp/bin/no
```

Software Instructions

The question(s) requires Node 14 LTS or above.

• <u>Download & Install Node.JS</u>

Git Instructions

Use the following commands to work with this project

- npm start
- npm test
- npm install

about:blank 3/3