

Angular 2 - News Application

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Russia, E.P.A., Laura Ingraham: Your Friday Briefing

Here's what you need to know to start your day.

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New York Today: Lesson on the Matzo Ladder

Friday: Notes on your Passover plate, weekend goings-on, and the Way of the Cross.

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California Today: In Oakland, a Clash of Artists vs. Big Cannabis

Friday: Cannabis and the art world collide, looming emissions fight with President Trump, Stephon Clark funeral, Tesla's woes, coffee warnings, and finally, opening day.

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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

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:

```
url = 'https://api.nytimes.com/svc/topstories/v2/' + sectionName + '.json?api-key=315a5a51483b469a918246dc2753b339'
```

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.

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 PYTHON env variable.
gyp ERR! stack     at PythonFinder.failNoPython (/projects/challenge/node_modules/node-gyp/lib/configure.js:483:19)
gyp ERR! stack     at PythonFinder.<anonymous> (/projects/challenge/node_modules/node-gyp/lib/configure.js:397:16)
gyp ERR! stack     at F (/projects/challenge/node_modules/which/which.js:68:16)
gyp ERR! stack     at E (/projects/challenge/node_modules/which/which.js:80:29)
gyp ERR! stack     at /projects/challenge/node_modules/which/which.js:89:16
gyp ERR! stack     at /projects/challenge/node_modules/isexe/index.js:42:5
gyp ERR! stack     at /projects/challenge/node_modules/isexe/mode.js:8:5
gyp ERR! stack     at FSReqCallback.oncomplete (fs.js:192:21)
gyp ERR! System Linux 5.15.0-1047-gcp
gyp ERR! command "/usr/bin/node" "/projects/challenge/node_modules/node-gyp/bin/node-gyp.js" "rebuild" "--verbose" "--libsass_ext=" "--libsass_cflags=" "--libsass_l"
```

Software Instructions

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

- [Download & Install Node.JS](#)

Git Instructions

Use the following commands to work with this project

- ☐ npm start
- ☐ npm test
- ☐ npm install