

# UND Assessment

**Project version: 1.0.0**

**Project Name: undpro**

**Project dependencies, application/framework installment and versions:**

Install **Node.js**

Install **NPM**

Instal **VScode**

React version cli: `npm view react version`

react version: 19.0.0

npm version cli: `npm --version`

npm version: 10.8.2

(If react has some dependencies issues than you need to install the dependencies based on it)

Material UI link: <https://mui.com/material-ui/getting-started/installation/>

Material UI version: v6.2.0

## Steps Before Testing:

1. Download the zip-files or folder from the shared projects on email
2. Open it up in the folder in VScode
3. Step 1 (only if necessary)

Installing any material UI: <https://mui.com/material-ui/getting-started/installation/>

```
npm install @mui/material @emotion/react @emotion/styled
npm install @mui/icons-material
npm install react-lazy-load-image-component
npm install --save-dev @babel/core @babel/cli @babel/preset-env
npm install moment-timezone
```

**\*Note:** Add other dependencies if any other issue arises i.e: babel, islint etc need to be aware about the different version and its compatibility

4. App.js is the rootfile

in command line use **npm start**

Runs the app in the development mode.

Open <http://localhost:3000> to view it in your browser.

## CheckList of Requirement:

- ✓ This section should prominently feature the message from the President endorsing the social media campaign.
- ✓ Include an image of the President sourced from the [President's website](#).
- ✓ The content for this section is provided at the end of this document in Appendix B.

## Post List Section

- ✓ Create a section that displays the posts from the last nine days using the data source API documented in Appendix A.
- ✓ Any dates displayed in the UI should use the time zone of the user.
- ✓ Implement client-side filtering of the posts using text input to search the posts' content.

### Additional Requirements

- ✓ Responsive design
- ✓ Site must include the [UND logo](#).
- ✓ Consult the [UND branding](#) page for guidance.
- ✓ Construct a header and footer for the page with the five navigation elements provided in Appendix B.

## Feature Added from my end:

- Lazy Loading of President Picture for optimization
- Time Conversion
- Yellow color highlights when any matching value is found
- Sorting the search result based on the date
- encodeURIComponent for

## Testing

- Unit Testing for functions
- Postman for API Test:

API Network interface showing a GET request to `https://localhost:8080/a` with query parameters `from=2024-03-01` and `to=2024-03-02`. The response body is a JSON array with 7 objects, each containing an `id`, `date`, `message`, `author`, and `image` (a data URI). The status is 200 OK.

## • Data value from fetch request:

React App interface showing the UND University of North Dakota website. The page displays sections for Academics, Admissions, Research, Programs, and About. The 'About' section features a 'Promoting Diversity and Inclusion' and 'Driving Innovation' section. The 'About The President' section mentions Dr. Andrew Armacost.

Below the website content, a console log shows a series of fetch requests to `https://apps.und.edu/demo/public/index.php/post?from=2024-12-15&to=2024-12-17` and `https://apps.und.edu/demo/public/index.php/post?from=2024-12-12&to=2024-12-14`. The responses are JSON arrays of objects, each containing an `id`, `date`, `message`, `author`, and `image` (a data URI).