

# Frontend Engineer Assessment

## Objective

Implement a web application UI that allows users view information about bills information from the following API:

<https://api.oireachtas.ie/>

The UI application should be built with the following tools:

- React
- Material UI
- TypeScript

The code should be checked into an accessible source code management tool and provide clear instructions for how to successfully run the solution in a development mode.

The code in the submission should reflect your ideal of what professional software development entails. This may include things like ensuring formatting is consistent, adding appropriate commentary and documentation, and defining application structure.

## Requirements

### Functional

- Create a table component for listing bill information.
- Bill information should be paginated and show the following columns:
  - Bill number
  - Bill type
  - Bill status
  - Sponsor
- Allow a user to filter bills by Bill type field.
- Clicking on a bill row should show a modal window, with a tabbed component with two tabs that when clicked on display the following:
  - English – English language title
  - Gaeilge – Irish language title
- Implement a favourite legislation functionality, whereby the user can click on an icon and “favourite a bill”. This click should change the UI and persist the change to state, but the call back to the server can be mocked. Opening a console log should show a message indicating the request to favourite a bill was dispatched to the server. Clicking the favourite button should “un-favourite” a bill.
- Display all favourited bills on a separate tab of the main bill table component.

## Non-functional

- Demonstrate knowledge React and best practices using this toolset.
- Demonstrate understanding of UI designs systems and basic styling of components.
- Demonstrate ability to unit test a UI system component.
- Demonstrate understanding of TypeScript and JavaScript fundamentals as well as the usage of automated code consistency tooling.

## Timeframe

Please return your solution within 3-5 business days of receipt of the test. If this timeline poses any issues, please reach out to [marina.saric@rws.com](mailto:marina.saric@rws.com) to discuss.

## Delivery

The private solution should be shared through GitHub or a similar internet-accessible SCM repository.

Please email [marina.saric@rws.com](mailto:marina.saric@rws.com) with a link to the repository when complete.