

# Test Plan

## Introduction

This test plan documents our project test scope and activities. Mainly, it includes functional tests and unit tests.

## Scope

The test contains the following major categories:

### Functional tests

We tested the functionalities manually via the web UI.

| Method   | Condition  |
|--|--|
| Login with Google account                      | Login button is shown under Options. Click the login button and the user can be directed to the login page. After clicking the google sign in button, the user is successfully signing in. |
| Logout authenticated user                      | Logout button is shown under Options. Click the logout button and the user can log out successfully.   |
| Sort posts by date                             | The posts are sorted by date   |
| Support tabular or card view for list of blogs | The posts are shown as card views.   |
| Draft new job post                             | Click the Draft new job post button. If the user has login, it will direct to the add new article page. Otherwise, it will direct to login first.  |
| Add post title                                 | Enter a post title in the web page   |
| Select post job type                           | Select one of the job types in the web page  |
| Add post content                               | Enter the content of the post in the web page  |
| Enter company name                             | Enter a company name in the web page   |
| Choose feature image                           | Select a feature image in the web page   |

|   |  |
|---|--|
| Add audio content                               | Add an audio content in the web page   |
| Show the publisher                              | Show the publisher in the web page   |
| Show the publish date                           | Show the publisher date in the web page  |
| Show the post content                           | Show the content in the web page   |
| Show the post company                           | Show the company in the web page   |
| Show the post job type                          | Show the job type in the web page  |
| Show the post title                             | Show the post title in the web page  |
| Show the feature image                          | Show the feature image in the web page   |
| Delete a post if you are the author             | Delete button is shown in the page and the post can be deleted from database by clicking the delete button |
| Can not delete a post if you are not the author | Delete button is not shown   |
| Edit a post if you are the author               | Edit button is shown in the page and the post can be edited from database by clicking the edit button      |
| Can not edit a post if you are not the author   | Edit button is not shown   |
| Search function                                 | Enter the keyword in search bar and the related content shows up   |

## Unit tests

Unit tests are implemented with Jest. All test files are organized in `src/__tests__` directory.

The test files include:

- App.test.js
- ArticleCard.test.js
- Homepage.test.js
- LoginPage.test.js
- NewArticle.test.js
- ViewArticle.test.js