

**PROJECT TITLE:**

## **Inkdown**

*"Write down your notes. Upload note captures"*

A project proposal by:

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Developer/s assigned:

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## General Objective

A website application capable of registering users to save, edit, view, and delete notes to their liking. Moreover, the user should be able to upload pictures to their liking. Lastly, the application should have Authentication and Authorization with Spring Boot 3 and Spring Security 6.

- A user must input their registered `username` and `password`
- A user must use input the following attributes for User Registration: `first name`, `last name`, `birthday`, `username`, `password`
- A user can upload pictures to the application
  - The picture must not exceed 5 MB

## Technologies

React.js, Spring Boot 3, Spring Security 6, JWTs

## Technical Features

### *Accounts (User)*

- Register a user using their first name, last name, birthday, username, and password
- **Authenticate users with Spring Security 6** using *username* and *password*
- Input validation in the registration form fields
  - The application must **not allow** users to enter **SQL phrases on the login and registration pages.**
- Login user
- Logout user
- Save notes resources for authenticated users only
- JWTs sessions

### *Notes taking*

- A user can start creating or saving notes with title and body
- Notes shall be identified by their titles
- Notes data and its latest creation/update shall be automatically pulled from the user
- A user can edit, view, and delete their existing notes saved from the database
- If necessary, a user can send a request to the admin to update their account profiles

## **Non-technical Features**

- Only authorized people should have access and will be allowed to change or modify the webpage and its contents.
- An intuitive and elegant user interface (UI) to promote an efficient user experience (UX)
- The application will utilize simple layouts that is easy to navigate
- The website application will leverage the use of icons for ease of content recognition and readability
- The website should have a good performance when it comes to its response time, loading, speed, etc.