Software Requirement Specification

Project: News App

Problem Statement

To Develop a News Application that allows users to search for news articles,

read the news article in HTML format and save news article to favourites.

The application needs to fetch news article data by registering with the

Third Party API and by getting API Key required to call the API from following external site,

https://newscatcherapi.com/.

Features

• User can view News Articles.

• User can view list of Articles.

• User can search news articles based on keywords using Third Party API.

• User can register/login to the application and add interested articles to favourites.

• Registered user can add and view articles to favourites and Delete articles from favourites.

Microservices:

1. User Service

✓ User related service. End points

/viewUser/{id} – get

/addUser – post

/updateUser -post

Model Name: UserDetails

✓ name

✓ password

✓ userid(primary key)

✓email

✓ country

2. Authentication Service

✓ For generating token. End points

/login- Post

Model Name: User

✓ Password

✓ userid(primary key)

3. Favourite Service

✓ Can save and remove the user favorite matches

/addFavourite/{userid} - Post

/viewFavourite/{userid} - Get

/viewByTitle/{userid} -post

/deleteFavourite/{userid} -Delete

Model Name: Favourite

✓ favouriteId (primary key)

✓ articleId

✓ userid

✓ author

✓ title

4. News Service

✓view all the article.

/viewAll - get

model Name: NewsArticles

✓ articleId

✓ userid

✓ author

✓ title

✓ description

✓ publishedAt

✓ url