**News App Case Study**

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| **1** | **Name of the Project** | **News App** | |
| **2** | **Objective/ Vision** | Build a system to search for news article, open the article, add article to favourite list and recommend most liked/favourite articles to user.  The application needs to fetch news article data by registering with the following API link and get API Key required to call the API.  https://newsapi.org/  Example API:  https://newsapi.org/v2/everything?q=bitcoin&from=2019-01-06&sortBy=publishedAt&apiKey=b170738ea8d145159da715566679a48fea | |
| **3** | **Users of the System** | All Internet users | |
| **4** | **Functional Requirements** | 1) User should be able to register in the system. Profile image should be uploaded during registration   * A registered user should be able to login to the system   2) Search : Search for a particular category of News  3) Favorite Service - should be able to store all the favorite articles for a specific user | |
| **5** | **Non-functional requirements** | 1. Dockerize the front-end (create Docker file, docker-compose.yml and get it executed through docker compose) | |
| **6** | **Tools and Technologies to be used** | | 1. VCS : Gitlab 2. Middleware : SpringBoot 3. Frond end : Postman 4. Data Store : MongoDB/MySQL 5. Testing : Junit, Mockito 6. Containerization: Docker |