

# **NewsApp**

## **MINI PROJECT – II**

### **SYNOPSIS**



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## **Acknowledgement**

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## **Contents**

1. Declaration
2. Acknowledgment
3. Introduction
  - 3.1 Objective
  - 3.2 Motivation
  - 3.3 Problem Statement
4. Project Description
5. Software Requirement
  - 5.1 Hardware Requirements
  - 5.2 Software Requirements
  - 5.3 Languages Used
6. Working
7. Implementation
8. References

## **INTRODUCTION & PROJECT-DESCRIPTION**

Newspaper is one of the most popular and required assets of our daily lives. And, in today's hectic world, reading newspaper has become one of the traditional ways of reading the news. With the news being created every minute and relayed through TV, radio and internet, the updated news is already old by the next morning. And, that's why newspaper and magazine publishers are struggling to keep-up with the pace. Change is needed and Today magazine and newspaper lovers are moving towards reading news on mobiles and tablets

So keeping this in the mind our main objective is to create a system in which we allows users to browse through news headlines for different categories such as Top Stories, General, Business, Technology, Entertainment, and so on. Furthermore, the app lets users glance through the news. The app makes use of Integration to fetch data from third-party Free APIs, and then populates the data to the front end of the app.

Front End languages (Html, CSS, Java-Script) communicate requests to Back End languages. Every website has a server, database, and other applications that interact with the Front End through codecreated by a Back End development. HTML, CSS, and JavaScript are the topmost languages used for Front End development. The structure, design, behavior, and content of everything seen on browser screenswhen websites, web applications, or mobile apps are opened up, is implemented by Front End developers. Hence, implementation of these front end languages in our project will provide the best, quick and accurate results which will be beneficial to the user at its utmost.

The News-App showcases all the headlines along with a list of news categories. By default, the News screen showcases the Top Stories category. The Top Stories category illustrates important news headlines and also displays information on it. The news headlines are arranged in a card format. You can select any news item (card) to open the news article associated with it. When you click any news item, the app opens a window that showcases the news article. If you want to view the news article in your browser, click Open in Browser.

One of the factors in successful news app development is visualization of news and

its feature with user. For the development of an app material design is very useful and provides smooth experience with custom layout, views and animations. For this news app user should be able to select from different categories. Short News as list view with header, little description and image before showing full article can be helpful to user to determine what type of news they are looking for.

This User interface will be connected to API and its database which will give full article in form of web view of that article. Because of this structure the integrity of writer of that article will not be in harm. News API has been used for collecting different news sources at one spot. On sending request it will give response in JSON format which contains source id, title, description, image URL, article URL, author, time etc. We need to handle and parse this JSON into string format which is our required format.

## **SOFTWARE AND HARDWARE REQUIREMENTS**

- JSDK1.5
- React-JS
- Oracle 8i
- Ethernet Adapter
- 512 MB Ram
- Window 10 and Above

## **LANGUAGES USED**

- React-JS
- Html
- CSS
- JavaScript
- Bootstrap

## **IMPLEMENTATION**

A News-App can be built and implemented in any language. Keeping that in mind, We have used REACT JS to implement it in our project. **React** (also known as **React.js** or **React-JS**) is a free and open-source front-end JavaScript library for building user interfaces based on UI components. It is maintained by Meta (formerly Facebook) and a community of individual developers and companies. React can be used as a base in the development of single-page, mobile, or server-rendered applications with frameworks like Next.js. However, React is only concerned with state management and rendering that state to the DOM, so creating React applications usually requires the use of additional libraries for routing, as well as certain client-side functionality.

## **REFERENCES**

### **❖ Books:**

#### 1 HTML

- 1 HTML – by Jon Duckett
- 2 Head First HTML and CSS by Elizabeth Robson and Eric Freeman

#### 2 CSS

- 1 CSS – by Eric A. Meyer
- 2 CSS –by Jon Duckett

#### 3 JAVASCRIPT

- 1 You Don't Know JS by Kyle Simpson
- 2 A Smarter Way to Learn JavaScript by Mark Myers

### **❖ Websites:**

- 1 [www.geeksforgeeks.org](http://www.geeksforgeeks.org)
- 2 [www.google.com](http://www.google.com)
- 3 [www.reactjs.org](http://www.reactjs.org)
- 4 [www.projectdeveloper.com](http://www.projectdeveloper.com)
- 5 [www.javatpoint.com](http://www.javatpoint.com)
- 6 [www.youtube.com](http://www.youtube.com)

## **Faculty Guidelines:**

Mr. Akash kumar Choudhary (Technical Trainer in GLA University)



