

## **Internship Assignment: Chrome Extension Development Using ReactJS**

### **Objective:**

Develop a Chrome extension using ReactJS that detects specific websites the user is visiting and blocks them if they are present in a predefined blocklist.

### **Requirements:**

#### **1. Chrome Extension Development:**

- Create a basic Chrome extension framework.
- Integrate ReactJS to build the extension's user interface.

#### **2. Website Detection and Blocking:**

- Implement functionality to monitor the URLs the user is visiting.
- Check these URLs against a predefined blocklist.
- Block access to any website found in the blocklist.

#### **3. User Interface:**

- Design a simple UI using ReactJS that allows the user to:
  - View the current blocklist.
  - Add or remove websites from the blocklist.
  - Enable or disable the extension.

#### **4. Data Persistence:**

- Store the blocklist and extension settings using Chrome's storage API.

#### **5. Screen Recording:**

- Record a video demonstrating the extension in action, including:
  - Adding websites to the blocklist.
  - Visiting blocked websites and observing the blocking functionality.
  - Modifying the blocklist and demonstrating the changes.

#### **6. Code Submission:**

- Push the complete code to a private Bitbucket repository.
- Grant access to `contact@novafocus.in`.

### **Deliverables:**

- 1. Chrome Extension Package:** The complete Chrome extension source code.
- 2. Screen Recording:** A video file demonstrating the extension's functionality.

**3. Bitbucket Repository:** Private repository URL with granted access.

**Timeline:**

- Duration: 3 days from the date of receiving the assignment.

**Evaluation Criteria:**

- 1. Functionality:** The extension should correctly detect and block websites as specified.
- 2. Code Quality:** Clean, well-documented, and modular code.
- 3. User Interface:** Simple and intuitive UI.
- 4. Completion:** Adherence to the timeline and submission of all required deliverables.

**Getting Started:**

1. Review the [Chrome Extension Documentation](<https://developer.chrome.com/docs/extensions/mv3/getstarted/>).
2. Set up a ReactJS project using [Create React App](<https://reactjs.org/docs/create-a-new-react-app.html#create-react-app>)
3. Familiarize yourself with the Chrome Storage API and Chrome tabs API
4. Begin implementing the functionality as described above.

For any questions or clarifications, feel free to reach out via email.

Good luck!