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| **Requirement Gathering and Analysis Phase Technology Stack (Architecture & Stack)**   |  |  | | --- | --- | | Date |  | | Team ID |  | | Project Name | StreamSavvy | | Maximum Mark |  | |  |  |     **Created by –Sakshi Santosh Bandal**  **Architectural Diagram**  (Include an architectural diagram illustrating the flow of data in the movie platform, focusing on the frontend structure and external API usage for fetching movie data.)    **Table-1 : Components & Technologies:**   |  |  |  |  | | --- | --- | --- | --- | | **S.No** | **Component** | **Description** | **Technology** | | **1.** | User Interface | Frontend for users to browse, search, and view  Movies | HTML, CSS,  React JS | | **2.** | Application Logic- | Handles movie data fetching and user interactions. | JavaScript, React | | **3.** | External API-1 | Retrieves movie data and details | TMDB API | |
| **Table-2: Application Characteristics:**       |  |  |  |  | | --- | --- | --- | --- | | **S.No** | **Characteristics** | **Description** | **Technology** | | **1.** | Open-Source  Frameworks | React, a JavaScript library for building user interfaces | React | | **2.** | Security  Implementations | Use of HTTPS and secure API calls | HTTPS | | **3.** | Scalable Architecture | Scalable React frontend capable of handling user requests | React | | **4.** | Availability | Cloud deployment ensures high availability and reliability | Firebase Hosting,  AWS | |