| **BUSINESS CASE** | |
| --- | --- |
| **Proposed Project** | Movie recommend system |
| **Date Produced** | 2022/09/02 |
| **Background** | People always waste too much time selecting movies, our app can recommend movies for our users according to their viewing history. Users can also recommend their favorite movie to each other. |
| **Business Need/ Opportunity** | AI learning from the user and recommending movies for them. A cloud server for users to share their favorite movie. |
| **Options** | [This section documents the potential approaches to complete the project. There are always a minimum of two options: perform the project or do nothing.]  1. Learn whatever needed to perform the project  2. Do nothing |
| **Cost-Benefit Analysis** | |
| Financial expenditures: below 500$  The amount of time required: 7 months  Possible risks: Can’t achieve the AI learning function or cloud server  The potential for reduced quality: Find something to replace the AI learning part if we can not achieve it. | |
|  | |
| **Recommendation** | |
| Learn the knowledge as soon as possible. | |

| **PROJECT REQUIREMENTS DOCUMENT** | |
| --- | --- |
| **Project Name** | Movie recommend system |
| **Functional Requirements** | |
| [This section should list the functional requirements for the project, including any features or properties of the project’s outcomes.]  **1.** **Recommend users movies according to their favorite or viewing history.**  **2.** **A dynamic database to store users’ inserts movie information.**  **3.** **Usable and understandable interface**  **4.** **Cloud server** | |
| **Technical/Performance Requirements** | |
| [This section should list the technical requirements for the project (e.g., the required technology infrastructure) and any performance requirements (e.g., the minimum response time).]  1. **JAVA**  2. **AI**  3. **HTML, CSS, JAVASCRIPT**  4. **Users can use the cloud server to communicate with each other**  5. **Recommend movie** | |

| **PROJECT CHARTER** | | |
| --- | --- | --- |
| **Project Name** | Movie recommend system | |
| **Date Produced** | 2022/09/02 | |
| **Project Goals** | Create an intelligent system that can analyze and recommend movies based on the user's viewing record or input | |
| **Project Objectives** | 1. The ability to associate and access the user's viewing records at some well-known movie sites (beta) 2. It can extract the name of the movie manually entered by the user and display the movie information 3. Able to analyze and push similar movies according to the characteristics of the extracted movies | |
| **Project Budget** | Under the $500 | |
| **Project Sponsor** | Temporarily no | |
| **Project Manager** | Yixu and Xufeng (ourselves) | |
| **Additional Key Project Stakeholders** | | |
| Temporarily no | | |
|  | | |
| **Overall Project Milestones** | | **Dates** |
| The theme of the project has been decided | | 2022/09/10 |
|  | |  |
| **Overall Project Risks** | | |
| The knowledge about AI is not enough and the permission to access the user's viewing records cannot be solved | | |
|  | | |

| **RACI CHART** | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | **Yixu** | **Xufeng** | **Mentor1** | **Mentor2** | **Mentor3** | **[Name]** | **[Name]** |
| Front-end  development | A | R | I | C | I |  |  |
| Cloud data and database processing | R | A | I | I | C |  |  |
| Testing and debugging | R | R | C | I | I |  |  |
| Vlog production and other works | A | R | I | I | I |  |  |
| **R—Responsible A—Accountable C—Consulted I—Informed** | | | | | | | |