ABSTRACT

Team Name: **CodeBreakers**

Members:

|  |  |  |
| --- | --- | --- |
| Name | Registration No | Branch |
| **Harshit Garg** | 20184035 | CSE |
| **Sujeet Kushwaha** | 20184098 | CSE |
| **Shivam Gupta** | 20184094 | CSE |

Problem Statement – **StrangeFlix Streaming(Medium)**

*Description*

* + An On Demand Video Streaming platform
  + Our platform provides an immersive experience where user can watch all their favourite movies, series and videos.
  + Every user will have personalized experience as per the categories and tags of his choice.
  + User will have smooth controls and quality assured content on the portal.

* *Basic Features*
* An admin panel to control the content being shared on the platform.
* Login/Signup facility for users along with e-mail verification to activate account.
* Users can also choose to login using their social accounts like Facebook, Google, etc.
* Allows content provider to upload videos normally or via YouTube link or Amazon S3 bucket link.
* Allows searching videos based on name, category or tags.
* A fully featured video player with features like play, pause, full screen, theatre mode, next, previous and many other features.
* Allows users to purchase subscription based on different available plans.
* Also allows users to view and pay for only selective videos.
* Allows users to flag a video as offensive or inappropriate.
* Users can like and comment on any video or can report a comment if they find it inappropriate.
* Admin can take action on the reported videos or comments.
* *Advanced Features*
  + Users can also add videos to their favorite list.
  + Recommending videos to users based on their previous watching history and the new releases or the most watched content by other users.
  + User can resume the video from where he has last left the last time on re-login.
  + Automatically plays all the videos in a playlist.
  + Video player also contains cool featues like skip ads, skip +10/-10 secs, playback rate, quality, turn on/off captions etc.
* *Technology Used*
* Front-End
  + HTMl
  + CSS
  + JavaScript
  + Bootstrap4
* Back-End
  + - * Django – Python Framework
* DataBase
  + Sqlite3
* Payment Gateway
  + Instamojo
* REST API
* *Special Features*
  + Payment via user wallet to provide hassle free transaction and to grant faster access of the content to the user.
  + Add money to wallet feature in user account.
  + User can also view their wallet transaction history.
  + User can create or join an existing room where friends can come along and watch a movie or series together.
  + Allows multiple content providers to upload content after being verified by the admin.