CHITKARA UNIVERSITY, HIMACHAL PRADESH

Department of Computer Application Project Details

Project Report No :- 02

PROJECT NAME :- Funville	PREPARED BY :- 11/07/2024
PROJECT OWNER :- Rahul Samanta	REPORTING PERIOD :- 07/01/2024 - 12/25/2024
SUPERVISOR :- Dr Utpal Shrivastava	ROLL NO :- 2213986057

COMPLETED MODULES

- **Login Authentication:-**
  A secure login authentication system has been implemented to ensure that only registered users can access the platform. This includes account creation, password encryption, and secure login/logout functionality, enhancing user privacy security.

- **MULTIPLAYER GAMING MODULE (FRONT-END):-**
  The front-end for multiple gaming modules has been successfully completed, allowing users to interact with different games seamlessly.

WORK IN PROGRESS

- **BACKEND INTEGRATION:-**
  Currently, work is ongoing in connecting the back-end logic to the front-end gaming modules, ensuring seamless data flow and gameplay mechanics.

- **User Membership System:-**
  Underway on a membership system to support different user levels. This feature will enable premium memberships.

CHALLENGES FACED

- **SCALABILITY OF MULTIPLAYER MODULE:-**
  One of the main challenges is ensuring that the multiplayer module can scale to handle multiple users simultaneously without latency or server overload issues.

- **CROSS-BROWSER COMPATIBILITY:-**
  - Ensuring that the front-end design works uniformly across different browsers has been a challenging aspect of the project.

SKILLS AND TECHNOLOGIES

- **NEW PROGRAMMING LANGUAGES:-**
  Frontend: JavaScript, HTML, CSS (Responsive Design)
  JavaScript (Advanced): For interactive front-end features.
  Backend: Node.js with Express.js

- **IMPACT ON PROJECT:-**
  Enhanced Development Efficiency: The new languages have improved your coding efficiency, allowing for more robust and scalable features in the Funville website.
  Improved Performance: Discuss how the use of these languages has contributed to better performance, faster load times, or improved user interactions on your site.

Student Signature :- _____   Faculty Signature :- _____