

Software Requirements Specification (SRS)

INTRODUCTION

The purpose of this document is to outline the requirements for the "Mind game Website" project. The project aims to create a website that offers various mind games for users to play online. The website will be implemented using simple HTML, CSS, and JavaScript.

SCOPE:

The "Mind Games on Website" project will include the following features:

Home page:

1. A landing page that displays the list of available games.
2. Games page: A page for each game that provides a brief description, instructions, and the game interface.
3. Score tracking: Users will be able to track their scores and see the high scores of other players.
4. Responsive design: The website will be designed to work on multiple devices, including desktops, tablets, and smartphones.

FUNCTIONAL REQUIREMENTS

Home Page

1. The home page shall display a list of available games.
2. Each game shall be represented by an image and a brief description.
3. The user shall be able to click on a game to go to the game page.

Games Page

1. Each game page shall provide a brief description of the game and instructions for how to play.
2. The game page shall display the game interface.
3. The user shall be able to play the game using the keyboard or mouse.
4. The game page shall display the user's score and the high scores of other players.

Score Tracking

1. The website shall store the user's scores in a database.
2. The website shall display the high scores of other players on each game page.
3. The user shall be able to view their own scores on the user profile page.

Responsive Design

1. The website shall be designed to work on multiple devices, including desktops, tablets, and smartphones.
2. The website shall adapt its layout and interface to fit the screen size of the device being used.

NON-FUNCTIONAL REQUIREMENTS

Performance

1. The website shall load quickly and respond to user input without delay.
2. The website shall be able to handle multiple concurrent users without performance degradation.

Usability

1. The website shall be easy to navigate and use.
2. The website shall provide clear instructions for each game.
3. The website shall provide feedback to the user when they perform an action.

Security

1. The website shall protect user data by using secure storage and transmission methods.
2. The website shall protect against common web vulnerabilities, such as cross-site scripting
3. (XSS) and SQL injection.

Constraints

1. The website shall be implemented using simple HTML, CSS, and JavaScript.
2. The website shall be hosted on a free hosting platform, such as GitHub Pages or Netlify.

Assumptions

1. The website shall be accessed using a modern web browser with JavaScript enabled.
2. The website shall be used by individuals over the age of 13.

CONCLUSION

The "Mind Games on Website" project will create a website that offers various mind games for users to play online. The website will be implemented using simple HTML, CSS, and JavaScript and will include features such as score tracking and responsive design. The project aims to provide an enjoyable user experience while also adhering to performance, usability, and security requirements.