SYNOPSIS

ON

Collaborative Story Writing

Submitted By:

Abhinav Singh (H) 2115000015
Uday Prakash (H) 2115001059
Akshat Sharma(H) 2115000114
Amit Kumar Baghel(H)2115000139

Submitted To:

Mr.Akash Kumar Choudhary
Technical Trainer
Training and Development

TITLE OF PROJECT:

Collaborative story writing

OBJECTIVE:

Develop a collaborative story writing project aimed at fostering creativity, teamwork, and communication skills among participants by collectively crafting compelling narrative.

SCOPE:

The scope involves guiding participants to collaboratively create a coherent story within defined themes. It includes setting guidelines, facilitating collaboration platforms, managing timelines/resources, and ensuring diverse contributions, culminating in a polished final narrative.

METHODOLOGY:

HTML& CSS:- Fundamenal For Building the user interface of web application
JavaScript:-For Front-end Development
Libraries-React Js
Framework:Bootstrap
Other Technologies:Git and Github for version control an hosting
Other technologies Back-end technologies:-
1. Node JS
2. EJS
3. MONGO DB

FEATURES:

Collaborative story writing projects can be both fun and challenging. When creating a project for collaborative story writing, consider incorporating the following features to

enhance the collaborative experience:

- User Profiles:
  Create user profiles for each participant with a unique username and avatar.
  Include a bio or description section to let users share a bit about themselves.

- Project Dashboard:
  Design an intuitive and user-friendly dashboard where participants can view and manage the project.
  Include a section for project details, goals, and guidelines.

- Version Control:
  Implement version control to track changes and revisions made by different participants.
  Allow users to compare versions and revert to previous drafts if needed.

- Real-time Collaboration:
  Enable real-time collaboration features so that multiple users can write and edit the story simultaneously.
  Include features like live chat or comments for communication.

- Role Assignment:
  Allow project owners to assign roles and permissions to participants (e.g., writers, editors, reviewers) based on their expertise.

- Notifications:
  Implement a notification system to alert users about updates, changes, or comments related to the project.

IMPLEMENATION PLAN:

When planning the implementation of a collaborative story writing project, it's crucial to consider various aspects to ensure a smooth development process and a positive user

experience. Here are some key steps and considerations for the implementation plan:

- Define Project Scope:
  Clearly define the scope of your collaborative story writing project, including its goals, features, and target audience.

- User Research:
  Conduct user research to understand the preferences and needs of your target audience. Identify the features that would enhance their collaborative writing experience.

- Choose Technology Stack:
  Select an appropriate technology stack based on the project requirements. Consider factors such as real-time collaboration, scalability, and ease of maintenance.

- Wire framing and Prototyping:
  Create wire frames and prototypes to visualize the user interface and overall flow of the collaborative writing platform. Gather feedback from potential users to refine the design.

- Version Control System:
  Decide on a version control system to track changes made by users. Git is a popular choice for managing collaborative projects.

- User Authentication and Authorization:
  Implement a secure user authentication system to verify user identities. Define authorization levels based on user roles within the collaborative writing platform.

- Real-time Collaboration Features:
  Choose a technology or library that supports real-time collaboration features. Web Socket or libraries like Pusher or Socket.IO can be integrated for live updates.

- Database Design:
  Design a database schema that efficiently stores and retrieves collaborative writing data.

Consider scalability and performance as the platform grows.

- Commenting and Messaging System:

  Implement a commenting and messaging system to facilitate communication among users. Ensure that comments are linked to specific sections of the story.

- File Management:

  Develop a system for uploading, sharing, and managing files relevant to the collaborative story. Ensure support for various file types.

RESOURCE REQUIRED:

Hardware: Laptops/desktops for development and testing.

Software: React.JS, Git.

Internet access for remote collaboration

TEAM MEMBERS(WITH ROLES):

Abhinav Singh(Working on front end part using html,css,Js)

Uday Prakash(Working on NodeJs , EJS and MongoDB)

Akshat Sharma(Working on Front-End using Technologies: HTML , CSS, Js and React Js)

Amit kumar(Working on Back-End using Node Js framework and MongoDB)

REFERENCES:

1. With the help of books.
2. Online platforms
3. Mentor Guidance
4. Stack Overflow

EXPECTED OUTCOME:

Expected outcomes for the Collaborative Story Writing project include: creation of engaging narratives, enhanced creativity and communication skills, improved teamwork, a sense of accomplishment, potential community engagement, documented process insights increased confidence, development of critical thinking, and publication opportunities.

Project Supervisor:

Mr.Akash Kumar Choudhary
Technical Trainer
Training and Development

Conclusion:

1. User Experience (UX):

   The project's success heavily relies on a positive user experience. Ensure that the collaborative writing platform is intuitive, visually appealing, and responsive across various devices.

2. Real-time Collaboration:

   Implementing real-time collaboration features using technologies like Web Socket, along with React and EJS, enhances the collaborative writing experience by providing users with instant updates on changes made by others.

3. Data Management with MongoDB:

   MongoDB, being a No SQL database, allows for flexible and scalable data management Ensure that the database design caters to the needs of storing and retrieving collaborative story data efficiently.

4. Responsive Design:

A responsive design using HTML, CSS, and React ensures that users can access the collaborative story writing platform seamlessly from different devices. This inclusivity is crucial for user engagement.

5. Security Measures:

Implement robust security measures to protect user data, especially when dealing with user authentication. Ensure secure communication (HTTPS) and follow best practices to prevent common web vulnerabilities.

6. Version Control and Collaboration:

The integration of Git or another version control system helps in tracking changes and managing collaboration effectively. It allows users to work on the same story simultaneou--sly while maintaining version history.