Requirements Document

Introduction

1.1 Purpose

The purpose of this document is to outline the functional and non-functional requirements for the development of Story Workshop, a platform aimed at assisting writers in generating story ideas and elements.

1.2 Scope

The scope of this document encompasses the features and functionalities to be included in the initial release of Story Workshop. It outlines both core and potential future features, along with the technical specifications required for implementation.

1.3 Audience

This document is intended for the project team, including developers, designers, project managers, and stakeholders involved in the development and deployment of Story Workshop.

Functional Requirements

2.1 User Management

2.1.1 Login System (Future Feature)

- The system shall provide users with the ability to create accounts and log in securely.

- Registered users shall have access to additional features such as saving generated content.

2.2 Story Generation

2.2.1 Auto-Generation

- The system shall offer an option for users to automatically generate story details.

- Generated story elements shall include narrative structure, character profiles, and other relevant details.

2.2.2 Custom Generation

- The system shall provide users with the ability to customize which story elements they wish to generate.

- Users shall be able to select specific details such as narrative perspective, theme, setting, characters, etc.

2.3 Display of Generated Content

2.3.1 Graphical Representation

- The system shall present a graphical representation of the story's shape, based on Kurt Vonnegut's theory.

- The graphical representation shall be accompanied by explanatory text describing its significance.

2.3.2 Detailed Information

- The system shall display detailed information about the generated story elements, including narrative perspective, theme, setting, conflict, tone, style, and point-of-view.

- Character profiles shall include attributes such as name, age, occupation, goals, fears, ambitions, wants, motivations, etc.

2.4 Regeneration and Customization

2.4.1 Regeneration of Characters

- The system shall allow users to regenerate any number of characters to suit their preferences.

2.4.2 Customization Options

- The system shall offer customization options for users to specify their preferences regarding the generated content.

Non-Functional Requirements

3.1 Performance

The system shall respond to user interactions promptly, with minimal latency.

3.2 Usability

The user interface shall be intuitive and user-friendly, catering to both novice and experienced writers.

3.3 Security

User authentication and data transmission shall be secured using industry-standard encryption protocols.

3.4 Compatibility

The system shall be compatible with modern web browsers and devices, including desktops, laptops, tablets, and smartphones.

Technical Requirements

4.1 Technology Stack

HTML, JavaScript, Node.js, database management system (TBD), frontend framework for CSS styling (TBD), Object-Relational Mapping (ORM) tool (TBD).

4.2 Database Design

The database shall be designed to efficiently store and retrieve user data, generated story elements, and other relevant information.

4.3 Performance Considerations

The system architecture shall be designed to accommodate scalability and handle potential increases in user traffic.

This document provides an initial outline for the requirements of Story Workshop, detailing both functional and non-functional aspects along with technical specifications. Additional details and refinement may be required as the project progresses.