READ EZ

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AGENDA

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INTRO-DUCTION

Read EZ is a cutting-edge software designed to revolutionize the way writers, book enthusiasts, and literature lovers interact with stories. Packed with powerful tools and intuitive features, this software serves as an all-in-one solution for crafting, exploring, and discovering captivating narratives.

PROBLEM STATEMENT

Read Ez solves the following issues that the readers and listeners quite often face with:

1. **Recap Plot Points**: The ‘Read EZ - Recap Plot Points tool’ is designed to offer a succinct, chapter-wise summary of a storybook or a podcast, summarizing events and plot developments leading up to a specified point. By inputting the Book or the Podcast and desired point, users can swiftly grasp the crucial elements of the narrative without the need to go through the whole plot. Additionally, this tool goes beyond just summarizing; it further enhances the reading / listening experience by classifying each chapter based on its genre, making it even more convenient for readers and listeners to explore stories that align with their interests.

2. **End the Plot**: The ‘Read EZ – End the Plot’ is an innovative storytelling tool designed to help writers, storytellers, and creative minds conclude their narratives effectively. As its name suggests, this tool allows users to determine and apply the desired type of ending for any given plot. Whether it's a short story, novel, screenplay, or any other form of storytelling, 'End the Plot' aims to provide a fitting and impactful conclusion.

3. **Recommend me a Book**: The ‘Read EZ - Recommend Me a Book’ is an innovative AI-powered tool designed to assist users in discovering their next compelling read based on their past reading preferences. This tool leverages artificial intelligence algorithms and data analysis techniques to analyze the user's reading history and preferences, extracting valuable insights to generate personalized book recommendations.

SCOPE & DELIVERABLES

Scope: The 'Read EZ' software, encompasses the development and implementation of a sophisticated AI-powered tool that enhances the reading experience for users.

Deliverables: The software aims to deliver amazing tools to the user that includes:

1. Recap Plot Points.
2. End the Plot.
3. Recommend me a Book.

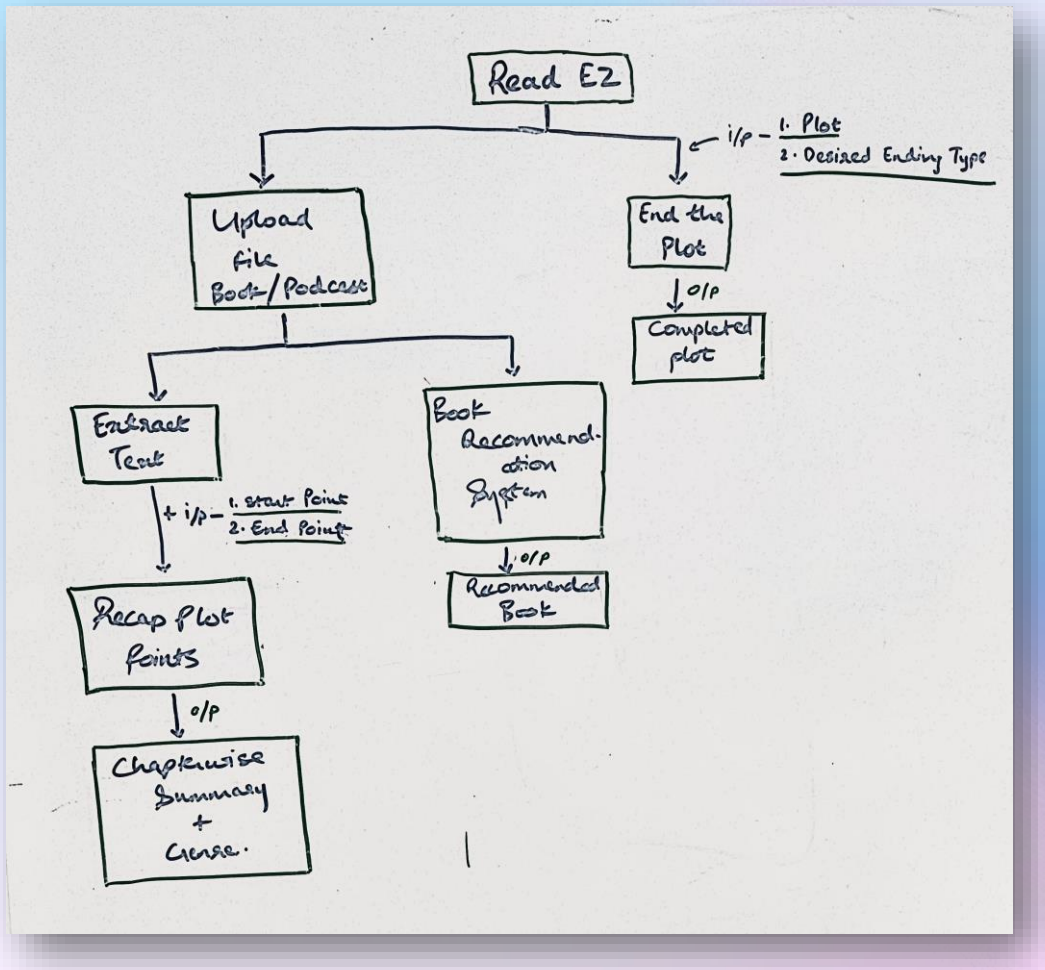
METHOD OLOGY

The methodology of the 'Read EZ' software involves a combination of natural language processing (NLP), machine learning, and data-driven approaches. The goal is to process and analyze textual data from books and user inputs to provide accurate chapter summaries, genre identification, creative endings, and personalized book recommendations.

TECHNOLOGY STACK

1. Python
2. Openai
3. Natural Language toolkit (NLTK)
4. Pvleopard
5. Pydub
6. Ffmpeg
7. Googe text to speech (gtts)
8. MySQL 8

PROJECT DESIGN



RESULTS & FINDINGS

1. **Recap Plot Points:** Generates Chapter wise summary and genre

2. **End the Plot:** Generates an interesting plot end for a given story.

3. **Recommend me a Book:** AI powered tool that recommends a book to the user based on the books he has read till now.

FUTURE ENHANCE MENTS

1. Add **AI in text extraction process** from pdf files. Using AI in this process can help us extract useful information from images that may be included in the uploaded files. This will further help in providing better results while generating summary. This tool will be most useful while extracting text from image-based books like comic books, manga, etc.
2. All textbooks has exercise section right after every chapter. In this we will be using **AI to answer the questions** precisely using the chapter text as primary source, giving the user the best answers to each question and making it the best tool for last minute studies.

THANK YOU

Team - Bit Manipulators