

Release Summary

Product Name: SummarAIze

Revision Number: V1.1

Key user stories and acceptance criteria: Give a list of key user stories with their acceptance criteria that can serve as a guide for an acceptance test.

User Stories	Acceptance Criteria
As a student, I need to upload a research paper PDF through an accessible website and get an accurate summary of the paper so I can understand the main points without reading the entire paper.	<ul style="list-style-type: none">- Able to upload PDFs- View a summary of research paper- Able to find main points about the paper
As a user, I want to indicate that I have no background knowledge on the research topic and receive a detailed literature review so that I can learn more about the subject.	<ul style="list-style-type: none">- Able to tell if I'm a beginner or an expert- Summary changes depending on knowledge
As an educator, I want to be able to create a visual representation so that I can make presentations so that complex concepts are simplified for students.	<ul style="list-style-type: none">- Able to view visual components- Playable video
As a student, I need to be able to play the narrated voiceover so that I can simultaneously absorb information while completing other tasks at hand.	<ul style="list-style-type: none">- Able to listen to/play the voiceover and follow along- Able to accurately follow the content of the paper
As a student, I should have a user account that stores my information so that I can track my progress.	<ul style="list-style-type: none">- Create an account with my email- Can log into that account smoothly- The account saves a library of summaries
As a student, I need to download videos I previously generated so that I can reference them later.	<ul style="list-style-type: none">- Able to save the videos to the local device- Able to securely download
As a student, I want to choose the summary length (short, medium, detailed) so that I get the	<ul style="list-style-type: none">- Can specify the length of the summary (with background knowledge)

right level of depth for my needs.	<ul style="list-style-type: none"> - Can change the summary length if needed (e.g. using chatbot)
As a researcher, I want to see citations from the original paper in the summary so that I can refer back to the sources accurately.	<ul style="list-style-type: none"> - Summary shows citations in the text - All citations are listed below
As a user, I want to get suggestions for related research papers so that I can explore the topic further.	<ul style="list-style-type: none"> - Able to populate a list of related relevant papers on the user's display
As a user, I want to generate a presentation for the contents of the research paper so that I can use it to communicate the information to others effectively.	<ul style="list-style-type: none"> - Can see a presentation - Presentation accurately explains research paper - Can download presentation
As a user, I want to ask questions about the paper so that I can clear up any confusion and refine the summary.	<ul style="list-style-type: none"> - Chatbot that the user can ask - Can ask questions about any confusions

Known Problems: List the major bugs (you can reference your Test Report), omissions (missing functionality, edge cases that are not handled), design shortcuts (e.g. hard coded data), etc.

- Docker functionality has potential issues and isn't very consistent for everyone
- Generated audio doesn't read latex correctly
- Video generation is low quality
- No library page
- Lose data after refreshing page (need to reupload pdf)
- Images need to be embedded in text to be extracted
- Not all images are extracted
- Does not get related papers by default (need to ask chatbot)
- Some references are buggy
- Github issues with merging

Product Backlog: Provide a list the high priority user stories and bug fixes that can serve as a guide for a follow-on project.

- User Story 10: As a user, I want to generate a presentation for the contents of the research paper so that I can use it to communicate the information to others effectively.
 - Presentation generation functionality
- User Story: As an educator, I want to be able to create a visual representation so that I can make presentations so that complex concepts are simplified for students.
 - Improve video generation quality