**LoveStorying – the AI powered story crafter**

Team members: Brenda Sugey Vega Contreras, Maria Zhou, Pankti Shah

This mobile application is developed using React Native (Javascript) - a cross platform framework. The debugging and testing was done using Expo client and snack. Established server locally to connect with OpenAI to request and receive responses. For the purpose of the prototype we are only showing some pre-generated stories stored in-app.

**Checkpoint 2 checklist -**

1. Event based action - clicking on certain buttons navigates to pages, for example the 'login' button validates the credentials and takes you to the Dashboard. Selecting one of the stories displayed on the dashboard renders the story text with images for reading. 'Generate illustrated story' generates story based on selected parameters and prompt. 'Save story' saves the story for later viewing on the device. 'Ready to answer questions' navigates to the questionnaire page and 'Submit' validates if the user has entered correct answers for the questions.

2. Storing/Retrieving data - 'Save story' saves the generated story on the user device, and these saved stories are reloaded when the user visits the dashboard.

3. UI/UX to demonstrate expected behaviour. Below are the pages currently shown in the app.

* **Login** - enter username and password credentials
* **Dashboard** - List of saved stories to read or delete
* **Create Story** - User enters various parameters and prompt for AI to generate a story with images
  + Different types of stories supported: fiction, poem, or educational stories.
  + Stories for specific age.
  + Specifying story size, paragraphs, sentences, words.
  + Specifying serial image style, illustration, historical image, picture.
* **View Story** - a scrollable page formatted with the generated story and images for a User friendly reading experience
* **Questionnaire** - an evaluation page to answer questions related to the story

4. List of features needed for the MVP + Breakdown of tasks

The golden path of our app consists of Create Story -> View Story -> Save Story -> Questionnaire

Each of these features is mapped to a page in our app.

Breakdown of tasks-

* Build project pages and Front-end – Pankti.
* Data storage and retrieval – Brenda.
* OpenAI API invocation, response formatting and server setup – Maria.

5. Mapping between features and value(s) to be delivered by your app

The core value of our app is to engage children into reading by making them create their own stories. This is supported by the *Create story* feature and the *questionnaire* page helps us evaluate the success criteria by checking if the child has read the generated story. Moreover, the *Dashboard* shows a list of saved stories for the child to revisit them for relearning. The *View Story* page provide a simple and interactive UI for the child to read the generated story.

**Some screenshots of the app-**

A screenshot of a login page

Description automatically generated A screenshot of a phone

Description automatically generated A screenshot of a phone

Description automatically generated

A screenshot of a cartoon of a rocket ship

Description automatically generated A screenshot of a video game

Description automatically generated

Check out a demo video of our app:

<https://youtu.be/EBV32WunE3s?si=Xnr7Ya2w0xe_TklG>

Try our app on snack on a simulated phone or your own device: <https://snack.expo.dev/@panktiii/github.com-panktishah99-lovestoryingtest@prototype>

**Next phase of development tasks -**

* UI improvements to the pages
* Establish database for story saving for sharing, and user credentials with appropriate encryption
* Come up with story storage strategy
* Allow multiple users to register and connect with peers and find friends
* Allow users to share generated stories with each other and interact through likes and comments for feedback on generated stories
* Implement features to monitor for inappropriate content in prompts and response and report it
* Change questionnaire to MCQs and add points scoring feature
* Text to Speech for reading out the stories
* Monetization Strategy and app store deployment