

# Bedtime Stories

# Introduction

- Bedtime Stories is a mobile application that creates child stories along with pictures using different types of variables like theme, main character, best friend, etc.
- It is a creative and educational tool designed to engage children in reading and storytelling. This mobile application is developed for both mobile platforms(Android and IOS) using React Native.
- The platform uses ChatGPT and NLP techniques to create engaging narratives by analyzing prompts and understanding context.
- Prompt engineering is used to optimize inputs for AI models to generate more accurate, relevant, and useful story content.
- Dream Studio API is used to generate image complementing the story content.
- Lastly, payment gateway have been integrated using Stripe API.

## Application Flow

1. User has to download the application from playstore and register on it
2. After login and user will be prompted to the home screen.
3. All predefined story themes are available for the user to create a story.
4. User can also customize the story by inputting details about the characters and give additional prompts.
5. Once all these variables are collected, prompt for story is prepared on the backend application to pass into ChatGPT.
6. ChatGPT will provide the story as well as summarized content to generate images. All these are then stored in MongoDB.
7. Summary and variable of story are fetched from database and final prompt sent to Dream Studio API for generating relevant images.
8. Once the story is generated, it will be saved in “My Library”.

## Register on app

3:57

Create your Account

First Name  
Enter here

Last Name  
Enter here

Phone number  
Enter here

Email address  
Enter here

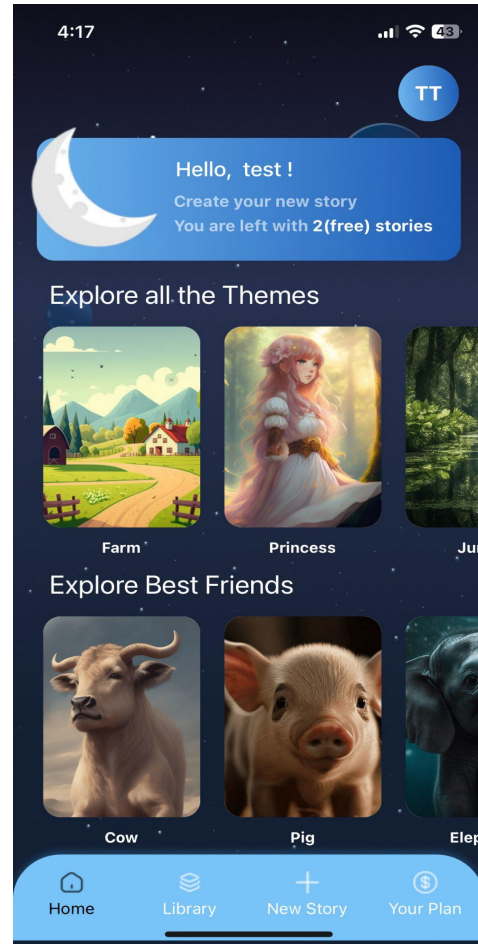
Set password  
Enter here

Or sign up with

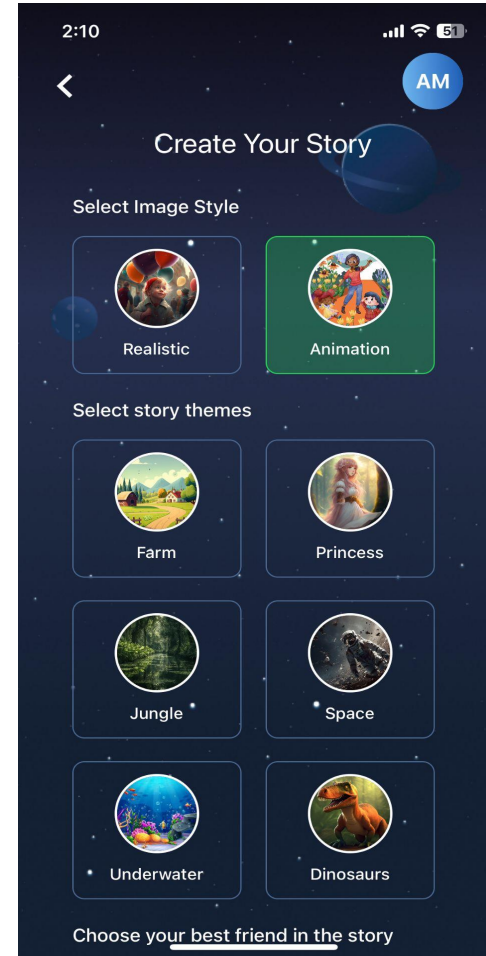
Register

Have an account already? Login

## Homepage



## Select theme to Create Story



## Customize characters

2:12

AM

### Customize Your Character

Name

John

Select Your Age Range

2 to 5 Years  6 to 8 Years

9 to 12 Years  13 to 15 Years

Select Gender

Boy  Girl

Select Hair Color

Brunette  Blond

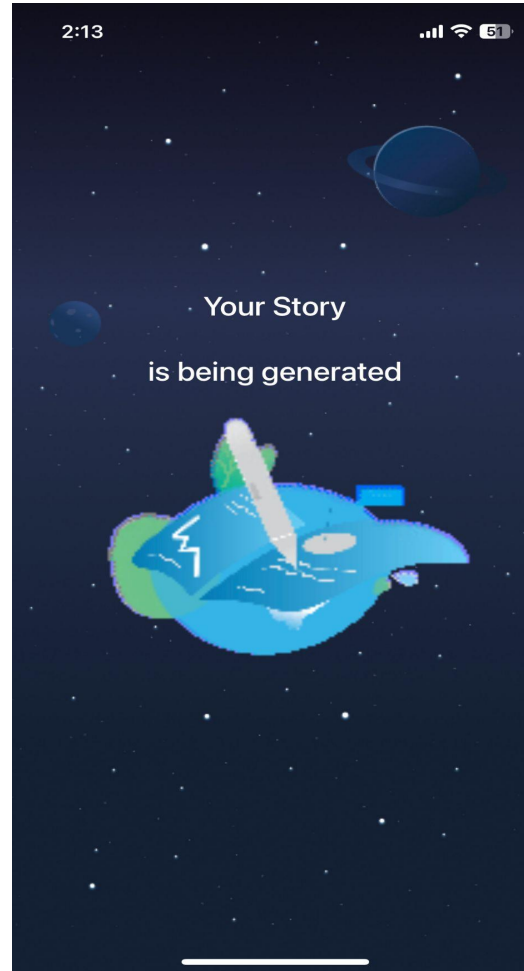
Brown  Redhead

Select Eye Color

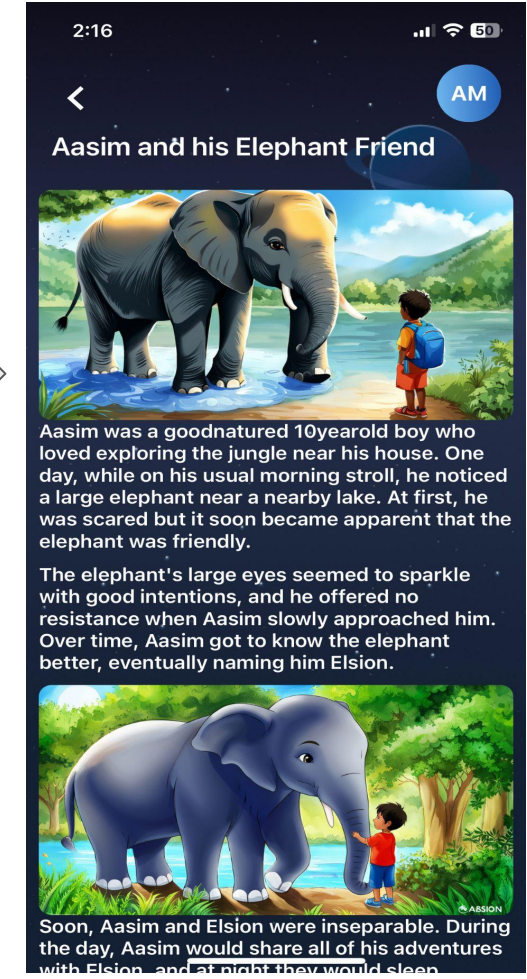
Green  Blue

back Generate

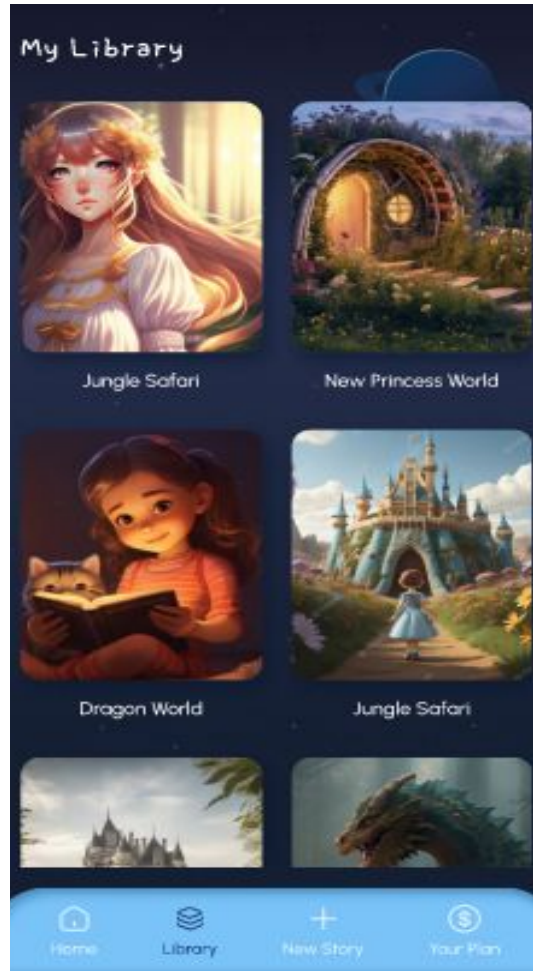
## Story generation in process



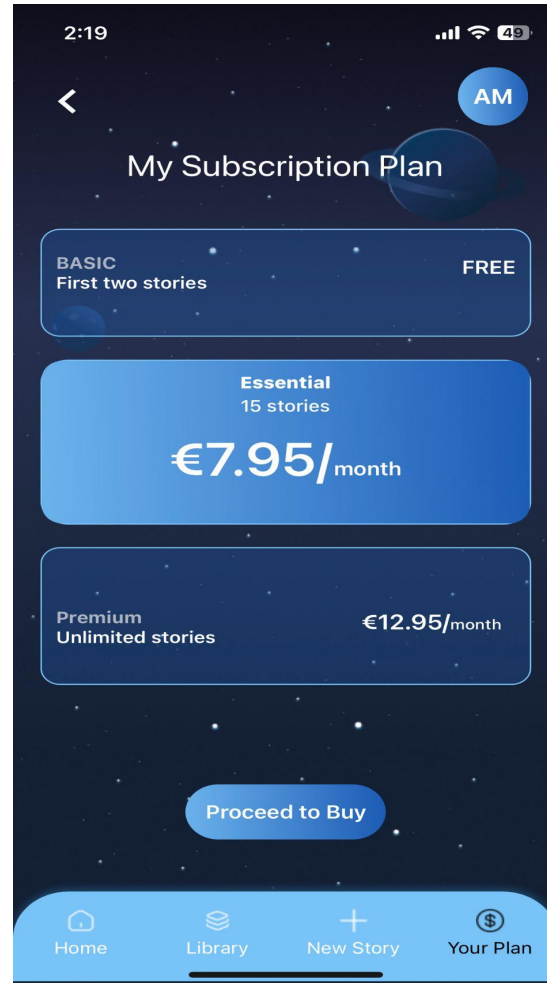
## Preview generated story



# My Library



# Subscription plans



# Tech Stack

Technology	Version	Description
React native	0.71	Used for all UI elements and front end related tasks like api integration, manipulation of api responses and rendering data on page
Node JS	18.18.2	Used as backend server for the application.
MongoDB	6.0	MongoDB is used as a primary database.
ChatGPT	GPT-3.5 Turbo	ChatGPT-3.5 Turbo is used to generate story content and summarized content for images
Dream Studio API	SDXL 0.9	Used for image generation by leveraging advanced AI models to create high-quality, custom visuals from textual descriptions.