Image caption generator app

User

Server

- Choose Forgot password
- Update password
- Redirect to Sign in
- Display Sign in error
- Sign in
- Verify Sign in details
- Sign up
- Save Sign up details
- Choose method to enter image
- Capture Image with camera
- Choose image from storage
- Upload Image
- Generate caption
- Save image and caption
- Display caption
- Redirect to rank caption
- Rank the generated caption
- Redirect to give feedback
- Give feedback
- View hIstory
- Become Premium User
- Choose payment option
- Make payment

<<include>> <<extend>>

Text Description

USE CASE: Sign In

Primary actor: User

 Secondary actor: Server

Pre condition:

- User must fill in the deatils for login

Post condition: Consists of three scenarios

- User logs into the system if the details given are correct
- "Invalid details" is displayed for filling wrong information
- Verification using email is one in case of "forgot password"

Main success scenario: User logs in into the system

Failure: Display an error message and login again

USE CASE: Sign Up

Primary actor: User

 Secondary actor: Server

Pre condition:

- User must fill in the deatils for registration

Post condition: Consists of two scenarios

- User logs into the system if the details given are correct
- "Invalid details" is displayed for filling wrong information

Main success scenario: User logs in into the system

Failure: Display an error message and login/sign up again

USE CASE: Choose method to enter image

Primary actor: User

Secondary actor: Server

Pre condition:

- User must be logged into the system

Post condition: Consists of two scenarios

- Camera app is opened if user chooses to capture image
- Phone's gallery is opened and user is allowed to select an image for "choose from gallery" option.

Main success scenario: The image is processed for generating caption

Failure: Check the type of image file chosen and enter an image again

USE CASE: Generate Caption

Primary actor: User

Secondary actor: Server

Pre condition:

- User must be logged into the system

- The image must have already been fed by the user

Post condition: Caption is generated for the image that was fed by the user and the image as well the generated caption are saved in the history section.

Main success scenario: Caption is generated successfully.

Failure: Two scenarios

- Check the internet connection and try again

- If general user, dislay that the limit for caption generation is reached else prompt a message for becoming a premium user

USE CASE: View History

Primary actor: User

Secondary actor: Server

Pre condition:

- User must be logged into the system
- User should have used the app at least once for caption generation

Post condition: Consists of two scenarios

- The pictures along with captions generated for them are displayed.
- "No photos yet" is displayed if the user hasn't fed any image for caption generation yet

Main success scenario: The history is viewed

Failure: No photos yet is displayed

USE CASE: Become premium user

Primary actor: User

Secondary actor: Server

Pre condition:

- User must be logged into the system

- User should not be already a premium user

Post condition: Consists of two scenarios

- Payment is done for upgrading profile status to premium

- Upgradation isn't done in case of any failure in payment

Main success scenario: The user's profile is upgraded to premium

Failure: Check for connectivity and try again

USE CASE: Give Feedback

Primary actor: User

Secondary actor: Server

Pre condition:

- User must be logged into the system

- Caption should've been generated at that moment

Post condition: Consists of two scenarios

- Feedback is given by the user and saved

- The user can also akip this option

Main success scenario: The feedback is saved on the server side

Failure: Check network connectivity and try again