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Capping Group 3

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Artistic Stylizer Platform Project:

UML Diagram Documentation

Use Case Name: Create an Account |ID: 1 |Importance Level: High

Primary Actor: User |Use Case Type: Overview, essential

Stakeholders and Interests:

User – selects the option to create a new user account

System Administrator – receives logs of created user accounts

­­­­­Brief Description: The user will choose to create a user account, making a username and password for login

Trigger: Selecting the “Create Account” option on the homepage

Relationships:

Association

Include: User login follows creating an account

Extend:

Generalization:

Normal Flow of Events:

1. Select “Create an Account”
2. Enter desired credentials
3. Account created

Alternate/Exceptional Flows:

1a. User credentials do not meet the application requirements, user credentials are rejected

Use Case Name: Login |ID: 2 |Importance Level: High

Primary Actor: User |Use Case Type: Overview, essential

Stakeholders and Interests:

User – selects the option to login into their user account

System Administrator --

­­­­­Brief Description: The user will enter their username and password to login to their user account

Trigger: Selecting the “Login” option on the homepage

Relationships:

Association

Include:

Extend: Account verification and login failure

Generalization:

Normal Flow of Events:

1. Select “Login”
2. Enter the username and password
3. Verify authentication
4. Login successfully

Alternate/Exceptional Flows:

1a. Authentication fails, login fails

Use Case Name: Add payment info |ID: 3 |Importance Level: High

Primary Actor: User |Use Case Type: Overview, essential

Stakeholders and Interests:

User – adds payment information

Payment Service – verifies payment information and completes payment processing

­­­­­Brief Description: The user will be prompted to enter a payment option for purchases

Trigger: Selecting the “Login” option on the homepage

Relationships:

Association

Include: Verify payment option

Extend:

Generalization:

Normal Flow of Events:

1. Enter payment information
2. Payment information verified
3. Payment option added to the user account

Alternate/Exceptional Flows:

1a. Payment info not found, adding payment option fails

Use Case Name: Upload content |ID: 4 |Importance Level: High

Primary Actor: User |Use Case Type: Overview, essential

Stakeholders and Interests:

User – selects the photo to upload to the application

System Administrator – receives logs of photo upload information

­­­­­Brief Description: The user uploads a content or style photo onto their user account

Trigger: Selecting the “Login” option on the homepage

Relationships:

Association

Include:

Extend:

Generalization:

Normal Flow of Events:

1. User selects “Upload photo”
2. Select the photo type
   1. Select content photo
   2. Select artistic style photo
3. User chooses photo to upload
4. Photo is uploaded

Alternate/Exceptional Flows:

3a. File type is not accepted, upload fails

3b. File size is not accepted, upload fails

Use Case Name: Stylize photo |ID: 5 |Importance Level: High

Primary Actor: User |Use Case Type: Overview, essential

Stakeholders and Interests:

User – chooses a photo to have stylized

­­­­­Brief Description: The user selects a content photo to have stylized using an artistic style image

Trigger: Selecting the “Stylize My Picture” option

Relationships:

Association

Include:

Extend:

Generalization:

Normal Flow of Events:

1. User selects “Stylize My Picture”
2. Select a photo to have stylized
3. Select a style photo to use
4. Content photo is stylized

Alternate/Exceptional Flows:

Use Case Name: Print picture |ID: 6 |Importance Level: High

Primary Actor: User |Use Case Type: Overview, essential

Stakeholders and Interests:

User – chooses a photo to have printed or shared to social media

Payment Service – Verifies and completes payment processing

­­­­­Brief Description: The user prints a photo they have had stylized

Trigger: Selecting the “Print My Picture” option

Relationships:

Association

Include:

Extend:

Generalization:

Normal Flow of Events:

1. User selects “Print My Picture”
2. Select picture to print
3. Select payment option
   1. Verify payment information
   2. Payment processed
4. Picture is printed

Alternate/Exceptional Flows:

3c. Payment fails

4a. User shares picture to social media