|  |  |  |
| --- | --- | --- |
| Use Case Name: Drawing a Shape | ID: 1 | Importance Level: High |
| Stakeholders and interests: User | | |
| Brief Description: Drawing a shape onto an image | | |
| Tigger: User wishes to draw a shape | | |
| Association: User and Select Class  Include: Select Shape to Draw, Draw Shape  Extend: Square, Polygon, Circle, Triangle and Trapezium | | |
| Normal Flow of Events:   1. The user selects a class 2. The user selects one of the available shapes 3. The user draws the selected shape on the image | | |
| Sub Flows: | | |
| Alternate/Exceptional Flows:  E: 1a. No class has been created so they cannot select one  A: 2a. The user selects a different shape | | |

|  |  |  |
| --- | --- | --- |
| Use Case Name: Making Changes to a Class | ID: 2 | Importance Level: High |
| Stakeholders and interests: User | | |
| Brief Description: Making changes to an existing class | | |
| Tigger: User wishes to change an existing class | | |
| Association: User, Select Class  Include:  Extend: Rename Class, Class Removal | | |
| Normal Flow of Events:   1. The user selects a class 2. The class gets renamed 3. All shapes made using that class are updated with its new name | | |
| Sub Flows:  S-1:   1. The user selects a class 2. The user deletes the class 3. The user is asked if they are sure about deleting the class 4. The class is deleted and all corresponding shapes along with it | | |
| Alternate/Exceptional Flows:  E: 1a. No class has been created so they cannot select one | | |

|  |  |  |
| --- | --- | --- |
| Use Case Name: Editing or Otherwise Manipulation a Shape | ID: 3 | Importance Level: High |
| Stakeholders and interests: User | | |
| Brief Description: Editing an existing shape | | |
| Tigger: User wishes to edit an existing shape | | |
| Association: User, Select Shape  Include:  Extend: Move Shape, Edit Shape, Delete Shape, Copy Shape, Paste Shape | | |
| Normal Flow of Events:   1. The user selects a shape 2. The user moves the shape around the image | | |
| Sub Flows:  S-1:   1. The user selects a shape 2. The user edits the size of the shape   S-2:   1. The user selects a shape 2. The user copies the shape 3. The user then pastes an identical copy of the shape onto an image   S-3:   1. The user selects a shape 2. The user deletes the shape 3. The shape is removed from the image | | |
| Alternate/Exceptional Flows:  E: 1a. No shape has been created so they cannot select one | | |

|  |  |  |
| --- | --- | --- |
| Use Case Name: Sorting Lists | ID: 4 | Importance Level: High |
| Stakeholders and interests: User | | |
| Brief Description: Sorting the images and classes by various methods | | |
| Tigger: User wishes to sort one of the lists | | |
| Association: User, Sort Image, Sort Classes  Include: Method of Sorting  Extend: Ascending by Name, Descending by Name, Ascending by Date, Descending by Date | | |
| Normal Flow of Events:   1. User selects what they wish to sort 2. The user then selects the method of sorting they wish to use 3. The list is then sorted by the parameters of the sorting method | | |
| Sub Flows: | | |
| Alternate/Exceptional Flows:  E: 3a. The lists are empty so cannot be sorted | | |

|  |  |  |
| --- | --- | --- |
| Use Case Name: Creating a Class | ID: 5 | Importance Level: High |
| Stakeholders and interests: User | | |
| Brief Description: Creating a class | | |
| Tigger: The user wishes to create a class | | |
| Association: User, Class Creation  Include: Name Class  Extend: | | |
| Normal Flow of Events:   1. The user selects create a class 2. A prompted comes up to name the newly created class 3. A new class is created | | |
| Sub Flows: | | |
| Alternate/Exceptional Flows:  E: 2a. The user doesn’t provide a name, so they are prompted once more to name the class | | |

|  |  |  |
| --- | --- | --- |
| Use Case Name: Loading Images | ID: 6 | Importance Level: High |
| Stakeholders and interests: User | | |
| Brief Description: The process of loading images into the program | | |
| Tigger: The user wishes to load images into the program | | |
| Association: User, Load Image  Include:  Extend: Folder Selection | | |
| Normal Flow of Events:   1. The user selects load image 2. A file browser opens 3. They select an image to be loaded into the program 4. The image is loaded into the program | | |
| Sub Flows:  S-1:   1. The user selects load image 2. A file browser opens 3. They select a file of images to load 4. All the selected images are loaded into the program | | |
| Alternate/Exceptional Flows:  E: 3a. The user does not select anything and are prompted to select an image to load  3b. The user selects an incompatible file and are notified | | |

|  |  |  |
| --- | --- | --- |
| Use Case Name: Saving the Annotation File | ID: 7 | Importance Level: High |
| Stakeholders and interests: User | | |
| Brief Description: The process of saving the annotation file | | |
| Tigger: The user wishes to save their work | | |
| Association: User, Save Annotation File  Include:  Extend: | | |
| Normal Flow of Events:   1. The user clicks on the save button 2. An annotation file is created 3. A file browser appears asking the user to name the file and where they wish to save it to 4. The file is saved | | |
| Sub Flows: | | |
| Alternate/Exceptional Flows:  E: 2a. Not all the components have been added in order to create an annotation file and as such one q won’t be created and the user will be notified  3a. The user does not name the file and if prompted to do so | | |

|  |  |  |
| --- | --- | --- |
| Use Case Name: | ID: 8 | Importance Level: High |
| Stakeholders and interests: User | | |
| Brief Description: | | |
| Tigger: | | |
| Association: Include:  Extend: | | |
| Normal Flow of Events: | | |
| Sub Flows: | | |
| Alternate/Exceptional Flows: | | |