# Test cases for image editor

1. **Test suite - Upload and download image**

**Test data:**

URL :<https://itmokykla.lt/testing/six.html>

**User story:**As user I want to upload JPEG and PNG file formats.

**Pre-conditions:**I have JPEG and PNG files.

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| **TC ID** | **Condition** | **Step description** | **Expected result** | **Pass/Fail** | **Automated** |
| 1-1 | Verify that possible to upload JPEG file. | 1. Open URL in browser.  2. Click “Load” button. 3. Click JPEG file. 4. Click “Open” button. | 1. Page opens up. 2. File upload window is opened. 3. Image is selected. 4. File upload window disappears and image is uploaded. | Pass | No |
| 1-2 | Verify that possible to upload PNG file. | 1. Open URL in browser.  2. Click “Load” button. 3. Click PNG file. 4. Click “Open” button. | 1. Page opens up. 2. File upload window is opened. 3. Image is selected. 4. File upload window disappears and image is uploaded. | Pass | No |
| 1-3 | Verify that not possible to upload more than one file at the time. | 1. Open URL in browser.  2. Click “Load” button. 3. Select 2 images. | 1. Page opens up. 2. File upload window is opened. 3. Not possible to select 2 images. | Pass | No |
| 1-4 | Verify that possible to download file. | 1. Open URL in browser. 2. Click “Download” button. | 1. Page opens up.  2. Image is downloaded. | Pass | No |

1. **Test suite - Image rotation, flipping, cropping**

**Test data:**

URL : <https://itmokykla.lt/testing/six.html>

**User story:**As user I want to be able to rotate, flip and crop image.

**Pre-conditions:**Image is uploaded.

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| **TC ID** | **Condition** | **Step description** | **Expected result** | **Pass/Fail** | **Automated** |
| 2-1 | Verify that image can be rotated clockwise. | 1. Open URL in browser.  2. Click “Rotate” button. 3. Click “Clockwise” button. | 1. Page opens up. 2. Submenu opens. 3. Image is rotated clockwise. | Pass | No |
| 2-2 | Verify that image can be rotated counterclockwise. | 1. Open URL in browser.  2. Click “Rotate” button. 3. Click “Counterclockwise” button. | 1. Page opens up. 2. Submenu opens. 3. Image is rotated counterclockwise. | Pass | No |
| 2-3 | Verify that image can be rotated with range element. | 1. Open URL in browser.  2. Click “Rotate” button. 3. Pull range to the side. | 1. Page opens up. 2. Submenu opens. 3. Image is rotate. | Pass | No |
| 2-4 | Verify that image can be flipped X axis. | 1. Open URL in browser.  2. Click “Flip” button. 3. Click “Flip X” button. | 1. Page opens up. 2. Submenu opens. 3. Image is flipped X axis. | Pass | No |
| 2-5 | Verify that image can be flipped Y axis. | 1. Open URL in browser.  2. Click “Flip” button. 3. Click “Flip Y” button. | 1. Page opens up. 2. Submenu opens. 3. Image is flipped Y axis. | Pass | No |
| 2-6 | Verify that image can be flipped X and Y axis. | 1. Open URL in browser.  2. Click “Flip” button. 3. Click “Flip X” button. 4. Click “Flip Y” button. | 1. Page opens up. 2. Submenu opens. 3. Image is flipped X axis. 4. Image is flipped Y axis. | Pass | No |
| 2-7 | Verify that image can be cropped square shape. | 1. Open URL in browser.  2. Click “Crop” button. 3. Click “Square” button. 4. Click “Apply” button. | 1. Page opens up. 2. Submenu opens. 4. Image is cropped. | Pass | No |
| 2-8 | Verify that image can be cropped 3:2 ratio. | 1. Open URL in browser.  2. Click “Crop” button. 3. Click “3:2” button. 4. Click “Apply” button. | 1. Page opens up. 2. Submenu opens. 4. Image is cropped. | Pass | No |
| 2-9 | Verify that image can be cropped 4:3 ratio. | 1. Open URL in browser.  2. Click “Crop” button. 3. Click “4:3” button. 4. Click “Apply” button. | 1. Page opens up. 2. Submenu opens. 4. Image is cropped. | Pass | No |
| 2-10 | Verify that image can be cropped 5:4 ratio. | 1. Open URL in browser.  2. Click “Crop” button. 3. Click “5:4” button. 4. Click “Apply” button. | 1. Page opens up. 2. Submenu opens. 4. Image is cropped. | Pass | No |
| 2-11 | Verify that image can be cropped 7:5 ratio. | 1. Open URL in browser.  2. Click “Crop” button. 3. Click “7:5” button. 4. Click “Apply” button. | 1. Page opens up. 2. Submenu opens. 4. Image is cropped. | Pass | No |
| 2-12 | Verify that image can be cropped 16:9 ratio. | 1. Open URL in browser.  2. Click “Crop” button. 3. Click “16:9” button. 4. Click “Apply” button. | 1. Page opens up. 2. Submenu opens. 4. Image is cropped. | Pass | No |
| 2-13 | Verify that image can be cropped custom size. | 1. Open URL in browser.  2. Click “Crop” button. 3. Click “Custom” button.  4. Draw rectangle. 5. Click “Apply” button. | 1. Page opens up. 2. Submenu opens. 5. Image is cropped. | Pass | No |

1. **Test suite - Adding shapes, icons, text, draw line on image**

**Test data:**

URL : <https://itmokykla.lt/testing/six.html>

**User story:**As user I want to be able to add shapes, icons, text, draw line on the image.

**Pre-conditions:**Image is uploaded. I have custom shape prepared.

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| **TC ID** | **Condition** | **Step description** | **Expected result** | **Pass/Fail** | **Automated** |
| *Icon* | | | | | |
| 3-1 | Verify that custom icon can be uploaded. | 1. Open URL in browser.  2. Click “Icon” button. 3. Click “Custom icon” button.  4. Select icon. 5. Click “Open” button. | 1. Page opens up. 2. File upload window is opened. 3. Icon is selected. 4. File upload window disappears and icon is uploaded. | Fail | No |
| 3-2 | Verify that default icon can be added on the image. | 1. Open URL in browser.  2. Click “Icon” button. 3. Select icon. 4. Place icon on the image. | 1. Page opens up. 2. Submenu opens. 4. Icon is placed on the image. | Fail | No |
| 3-3 | Verify that color of icon can be changed. | 1. Open URL in browser.  2. Click “Icon” button. 3. Add icon on the image. 4. Click on the icon on the image.  5. Change color. | 1. Page opens up. 2. Submenu opens. 3. Icon is placed on the image. 5. Color is changed. | Pass | No |
| 3-4 | Verify that color of icon can be picked before adding it on the image. | 1. Open URL in browser.  2. Click “Icon” button. 3. Select color. 4. Add icon on the image. | 1. Page opens up. 2. Submenu opens. 4. Icon is added with selected color. | Fail | No |
| *Shape* | | | | | |
| 3-5 | Verify that rectangle shape can be added. | 1. Open URL in browser.  2. Click “Shape” button. 3. Select rectangle shape. 4. Draw shape on the image. | 1. Page opens up. 2. Submenu opens. 4. Shape is placed on the image. | Pass | No |
| 3-6 | Verify that circle shape can be added. | 1. Open URL in browser.  2. Click “Shape” button. 3. Select circle shape. 4. Draw shape on the image. | 1. Page opens up. 2. Submenu opens. 4. Shape is placed on the image. | Pass | No |
| 3-7 | Verify that triangle shape can be added. | 1. Open URL in browser.  2. Click “Shape” button. 3. Select triangle shape. 4. Draw shape on the image. | 1. Page opens up. 2. Submenu opens. 4. Shape is placed on the image. | Pass | No |
| 3-8 | Verify that color of shape can be changed. | 1. Open URL in browser.  2. Click “Shape” button. 3. Select shape. 4. Draw shape on the image. 5. Select shape. 6. Click “Stroke” button.  7. Select color. | 1. Page opens up. 2. Submenu opens. 4. Shape is placed on the image. 5. Shape is selected. 6. Color menu is opened. 7. Color is changed. | Pass | No |
| 3-9 | Verify that shape can be filled. | 1. Open URL in browser.  2. Click “Shape” button. 3. Select shape. 4. Draw shape on the image. 5. Select shape. 6. Click “Fill” button.  7. Select color. | 1. Page opens up. 2. Submenu opens. 4. Shape is placed on the image. 5. Shape is selected. 6. Color menu is opened. 7. Shape is filled. | Pass | No |
| 3-10 | Verify that stroke width can be changed. | 1. Open URL in browser.  2. Click “Shape” button. 3. Select shape. 4. Draw shape on the image. 5. Select shape. 6. Pull stroke range to the side. | 1. Page opens up. 2. Submenu opens. 4. Shape is placed on the image. 5. Shape is selected. 6. Stoke width is changed. | Pass | No |
| 3-11 | Verify that color of stroke can be set before adding shape on the image. | 1. Open URL in browser.  2. Click “Shape” button. 3. Select stroke color. 4. Select shape.  5. Draw shape on the image. | 1. Page opens up. 2. Submenu opens.  3. Stoke color is changed. 5. Shape is placed on the image. | Pass | No |
| 3-12 | Verify that fill color can be set before adding shape on the image. | 1. Open URL in browser.  2. Click “Shape” button. 3. Select fill color. 4. Select shape.  5. Draw shape on the image. | 1. Page opens up. 2. Submenu opens.  3. Fill color is changed. 5. Shape is placed on the image. | Pass | No |
| 3-13 | Verify that width of stroke can be set before adding shape on the image. | 1. Open URL in browser.  2. Click “Shape” button. 3. Pull stroke range to the side. 4. Select shape.  5. Draw shape on the image. | 1. Page opens up. 2. Submenu opens. 3. Stoke width is changed. 5. Shape is placed on the image. | Pass | No |
| *Text* | | | | | |
| 3-14 | Verify that text can be added on the image. | 1. Open URL in browser.  2. Click “Text” button. 3. Click on the image. 4. Write text. | 1. Page opens up. 2. Submenu opens. 3. Text field appears. 4. Text is on the image. | Pass | No |
| 3-15 | Verify that text on the image color can be changed. | 1. Open URL in browser.  2. Click “Text” button. 3. Click on the image. 4. Write text. 5. Click on the text field. 6. Click “Color” button. 7. Select color. | 1. Page opens up. 2. Submenu opens. 4. Text is on the image.  6. Color menu is opened. 7. Color is changed. | Pass | No |
| 3-16 | Verify that text on the image can be aligned. | 1. Open URL in browser.  2. Click “Text” button. 3. Click on the image. 4. Write text. 5. Click on the text field. 6. Click “Left” or “Center” or “Right” button. | 1. Page opens up. 2. Submenu opens. 4. Text is on the image.  6. Text is aligned. | Pass | No |
| 3-17 | Verify that text on the image can be bolded. | 1. Open URL in browser.  2. Click “Text” button. 3. Click on the image. 4. Write text. 5. Click on the text field. 6. Click “Bold” button. | 1. Page opens up. 2. Submenu opens. 4. Text is on the image.  6. Text is bolded. | Pass | No |
| 3-18 | Verify that text on the image can be italicized. | 1. Open URL in browser.  2. Click “Text” button. 3. Click on the image. 4. Write text. 5. Click on the text field. 6. Click “Italic” button. | 1. Page opens up. 2. Submenu opens. 4. Text is on the image.  6. Text is italicised. | Pass | No |
| 3-19 | Verify that text on the image can be underlined. | 1. Open URL in browser.  2. Click “Text” button. 3. Click on the image. 4. Write text. 5. Click on the text field. 6. Click “Underline” button. | 1. Page opens up. 2. Submenu opens. 4. Text is on the image.  6. Text is underlined. | Pass | No |
| 3-20 | Verify that text size can be changed. | 1. Open URL in browser.  2. Click “Text” button. 3. Click on the image. 4. Write text. 5. Click on the text field. 6. Pull text size range to the side. | 1. Page opens up. 2. Submenu opens. 4. Text is on the image.  6. Text size is changed. | Pass | No |
| 3-21 | Verify that text size can be set before adding text on the image. | 1. Open URL in browser.  2. Click “Text” button. 3. Pull text size range to the side.  4. Click on the image. | 1. Page opens up. 2. Submenu opens. 4. Text is written in selected size. | Pass | No |
| 3-22 | Verify that text color can be selected before adding text on the image. | 1. Open URL in browser.  2. Click “Text” button. 3. Select color.  4. Click on the image. | 1. Page opens up. 2. Submenu opens. 4. Text is written in selected color. | Pass | No |
| 3-23 | Verify that text can be aligned before adding text on the image. | 1. Open URL in browser.  2. Click “Text” button. 3. Click “Left” or “Center” or “Right” button.  4. Click on the image. | 1. Page opens up. 2. Submenu opens. 4. Text is aligned. | Fail | No |
| 3-24 | Verify that text can be bolded before adding text on the image. | 1. Open URL in browser.  2. Click “Text” button. 3. Click “Bold” button.  4. Click on the image. | 1. Page opens up. 2. Submenu opens. 4. Text is bolded. | Fail | No |
| 3-25 | Verify that text can be italicized before adding text on the image. | 1. Open URL in browser.  2. Click “Text” button. 3. Click “Italic” button.  4. Click on the image. | 1. Page opens up. 2. Submenu opens. 4. Text is italicized. | Fail | No |
| 3-26 | Verify that text can be underlined before adding text on the image. | 1. Open URL in browser.  2. Click “Text” button. 3. Click “Underline” button.  4. Click on the image. | 1. Page opens up. 2. Submenu opens. 4. Text is underlined. | Fail | No |
| *Draw* | | | | | |
| 3-27 | Verify that free line can be drawn. | 1. Open URL in browser.  2. Click “Draw” button. 3. Click “Free” button.  4. Draw line on the image. | 1. Page opens up. 2. Submenu opens. 4. Line is drawn on the image. | Pass | No |
| 3-28 | Verify that straight line can be drawn. | 1. Open URL in browser.  2. Click “Draw” button. 3. Click “Straight” button.  4. Draw line on the image. | 1. Page opens up. 2. Submenu opens. 4. Line is drawn on the image. | Pass | No |
| 3-29 | Verify that width range can be set. | 1. Open URL in browser.  2. Click “Draw” button. 3. Pull text size range to the side. 4. Select line type.  5. Draw line on the image. | 1. Page opens up. 2. Submenu opens. 5. Line is drawn on the image. | Pass | No |
| 3-30 | Verify that color can be selected. | 1. Open URL in browser.  2. Click “Draw” button. 3. Select color. 4. Select line type.  5. Draw line on the image. | 1. Page opens up. 2. Submenu opens. 5. Line is drawn on the image. | Pass | No |

1. **Test suite - Reset and delete changes**

**Test data:**

URL : <https://itmokykla.lt/testing/six.html>

**User story:**As user I want to be able to reset and delete changes.

**Pre-conditions:**Image is uploaded.

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| **TC ID** | **Condition** | **Step description** | **Expected result** | **Pass/Fail** | **Automated** |
| 4-1 | Verify that user can undo changes. | 1. Open URL in browser.  2. Make change for image (crop/ flip/ rotate/ draw/ add shape, icon or text/ etc). 3. Click “Undo” button. | 1. Page opens up. 3. Change is removed. | Pass | No |
| 4-2 | Verify that user can redo changes. | 1. Open URL in browser.  2. Make change for image (crop/ flip/ rotate/ draw/ add shape, icon or text/ etc). 3. Make change again. 4. Click “Undo” button. | 1. Page opens up. 4. Last change is reset. | Pass | No |
| 4-3 | Verify that user can redo changes. | 1. Open URL in browser.  2. Make change for image (crop/ flip/ rotate/ draw/ add shape, icon or text/ etc). 3. Click “Undo” button. 4. Click “Redo” button. | 1. Page opens up. 3. Change is removed. 4. Change is reset. | Pass | No |
| 4-4 | Verify that changes can be reset. | 1. Open URL in browser.  2. Make change for image (crop/ flip/ rotate/ draw/ add shape, icon or text/ etc). 3. Make other change for image. 4. Click “Reset” button. | 1. Page opens up. 4. All changes were reset. | Pass | No |
| 4-5 | Verify that changes can be reset. | 1. Open URL in browser.  2. Make change for image (crop/ flip/ rotate/ draw/ add shape, icon or text/ etc). 3. Click “Reset” button. | 1. Page opens up. 3. Change were reset. | Pass | No |
| 4-6 | Verify that added lines, icons, shapes or text can be deleted. | 1. Open URL in browser.  2. Add some shapes, icons or text on the image. 3. Mark one added element.  3. Click “Delete” button. | 1. Page opens up. 4. Marked element is deleted. | Pass | No |
| 4-7 | Verify that added lines, icons, shapes or text can be deleted. | 1. Open URL in browser.  2. Add some shapes, icons or text on the image. 3. Click “Delete-all” button. | 1. Page opens up. 3. All elements are deleted. | Pass | No |