

## Milestone 5

**Title:** Artscape

**Test 1:** Passing an (uploaded) starter image to the mosaic page

### Fail Cases

- The format is wrong (only accept .jpg, .png)
- The image does not appear on the Mosaic Page

### Successful Cases

- The format is correct
- The image does appear on the Mosaic Page

### Acceptance Criteria

- User cannot upload their own starter image for the mosaic without completing the following steps:
  1. Clicking the "Upload" button on the Gallery Page
  2. Selecting an image (html will automatically scale it down to 1260x735?). This should be a .jpg
  3. Click "Continue" button on the Gallery Page
  4. User will be redirected to Mosaic Page displaying the image they uploaded in the form of a mosaic generated out of smaller images

**Test 2:** Login authentication

### Fail Cases

- Password is wrong
- Username is wrong
- Attempt to register a new account with an existing username
- Attempt to confirm new password with an incorrect password

### Successful Cases

- Password is correct
- Username is correct
- Attempt to register a new account with a unique username
- Attempt to confirm a new password with the correct password

### Acceptance Criteria

- User cannot enter the gallery without completing the following steps:
  - For new users:
    1. Click on "Create an account" link underneath the "Login" button
    2. Populate the "Username" and "Password" field in the popup. Filling out both fields will enable the "Submit" button.
      - Password must satisfy the requirements for containing at least one uppercase character and longer than 8 characters (If this

requirement is not met, there should be a red error message "Invalid Password")

- "Password" and "Confirm Password" fields should be the same (If there is a mismatch, there should be a red error message "Reconfirm Password")
  - Username must be unique (if the username already exists in the database, there should be a red error message "Username already exists, please enter another one.")
3. If the fields have been entered correctly, clicking on the "Submit" button will redirect the user to the Gallery Page. Else, the field with an error will be highlighted.
- For returning users:
    1. Populate "Username" and "Password" fields on Home Page. Filling out both fields will enable the "Login" button.
    2. If credentials are correct, clicking on the "Login" button will redirect the user to the Gallery Page.

### **Test 3: Reshuffle feature**

#### **Fail Case**

- Image selected does not exist (incorrect file path is generated, metadata is inaccurate)
- New mosaic is not the image the user selected

#### **Successful Case**

- Image selected does exist (correct file path is generated, metadata is accurate)
- New mosaic is the image the user selected


### **Acceptance Criteria**

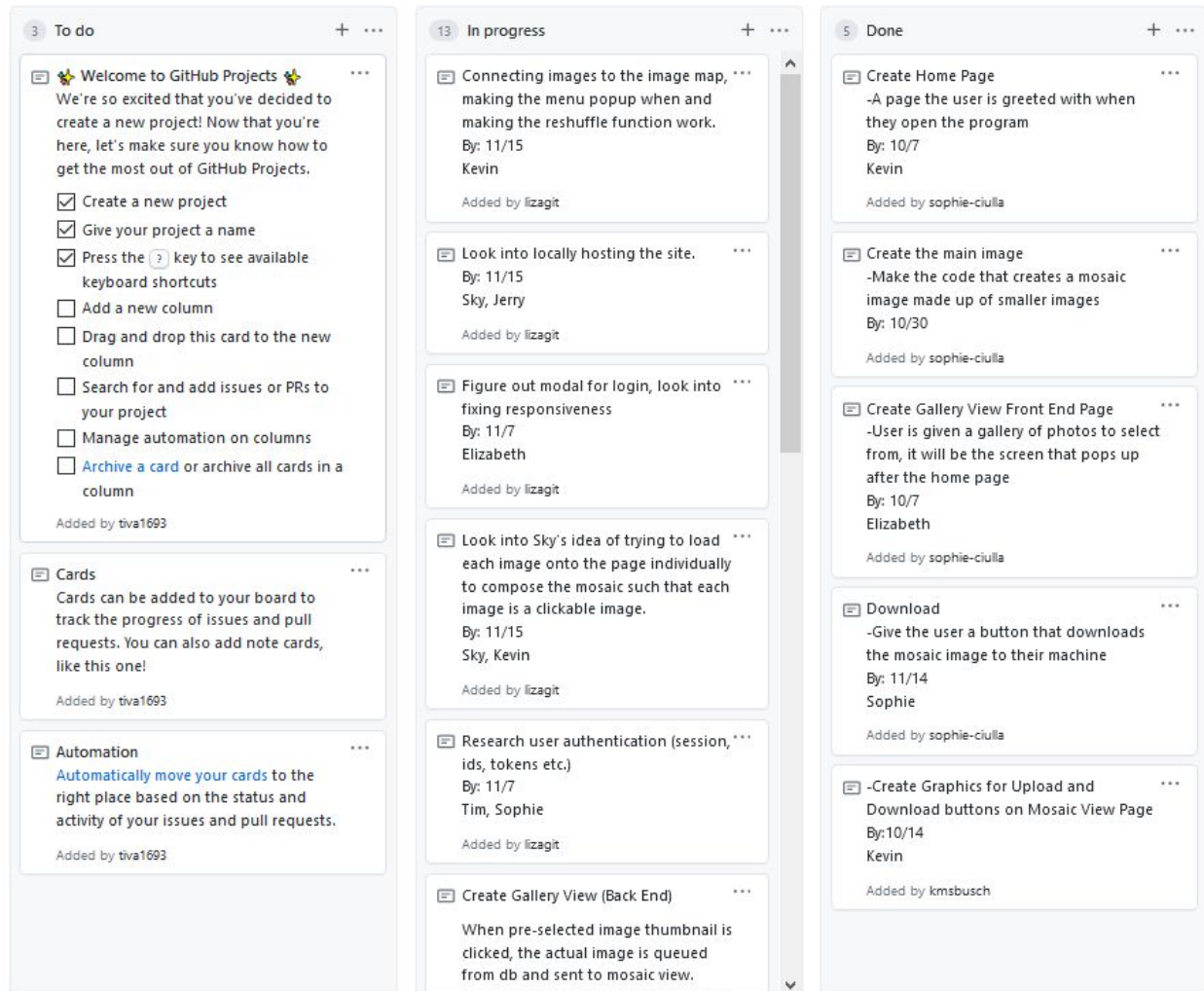
- User is able to click an image and make a new mosaic of the selected image
  - The image that gets passed into the algorithm for the remake of the mosaic is the correct image that they clicked

### **Individual Contributions**

- **Kevin:**
  - Connecting images to image map
  - Reshuffle feature
  - Making image interaction menu popup using onclick
  - DB integration/functionality
- **Elizabeth:**
  - Making login modal
  - Fixing responsiveness of the web pages
- **Sophie:**
  - Image interaction menu options
  - Researching user authentication
- **Ziqi:**

- Mosaic algorithm. Specifically outputs to metadata in order to let images be selectable and return a correct image
- **Fengwei:**
  - Locally hosting the site
- **Tim:**
  - Zoom functionality
  - User authentication

Artscape   
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The screenshot shows a Kanban board with three columns: "To do", "In progress", and "Done". Each column contains several task cards. The "To do" column has 3 cards, "In progress" has 13 cards, and "Done" has 5 cards. Each card typically includes a title, a description, a due date (By:), and the assignee's name. Some cards also mention who added them.

Column	Card Title	Description	By:	Added by:
To do (3)	Welcome to GitHub Projects	We're so excited that you've decided to create a new project! Now that you're here, let's make sure you know how to get the most out of GitHub Projects.		tiva1693
	Automation	Automatically move your cards to the right place based on the status and activity of your issues and pull requests.		tiva1693
	Cards	Cards can be added to your board to track the progress of issues and pull requests. You can also add note cards, like this one!		tiva1693
	Create a new project			
	Give your project a name			
	Press the ? key to see available keyboard shortcuts			
In progress (13)	Connecting images to the image map, making the menu popup when and making the reshuffle function work.		11/15 Kevin	lizagit
	Look into locally hosting the site.		11/15 Sky, Jerry	lizagit
	Figure out modal for login, look into fixing responsiveness		11/7 Elizabeth	lizagit
	Look into Sky's idea of trying to load each image onto the page individually to compose the mosaic such that each image is a clickable image.		11/15 Sky, Kevin	lizagit
	Research user authentication (session, ids, tokens etc.)		11/7 Tim, Sophie	lizagit
	Create Gallery View (Back End)	When pre-selected image thumbnail is clicked, the actual image is queued from db and sent to mosaic view.		
Done (5)	Create Home Page	-A page the user is greeted with when they open the program	10/7 Kevin	sophie-ciulla
	Create the main image	-Make the code that creates a mosaic image made up of smaller images	10/30	sophie-ciulla
	Create Gallery View Front End Page	-User is given a gallery of photos to select from, it will be the screen that pops up after the home page	10/7 Elizabeth	sophie-ciulla
	Download	-Give the user a button that downloads the mosaic image to their machine	11/14 Sophie	sophie-ciulla
	Create Graphics for Upload and Download buttons on Mosaic View Page		10/14 Kevin	kmsbusch