Functionality of our pipeline:

1. When teammates send the pull request into the feat branch, they need to select the type of their codes (bug fixed, new features, sources..), and type the general description of their codes.
2. After sending the pull request, the Actions will send an email to our reviewers Zhihcao Liu and Yunding Wu as reminders, and also these description messages.
3. The Actions will automatically use the HTML5 validator to check the syntax of HTML files in the feat branch.
4. The Actions will automatically use the CSS validator to check the syntax of CSS files in the feat branch.
5. The Actions will automatically use the Javascript validator to check the syntax of Javascript files in the feat branch.
6. After the reviewers review the codes, they will push these codes from the feat branch into the main repository.

Works:

1. When anyone tries to send a pull request, they will see a form created by Markdown that lets them fill out the type form and general description.
2. We use the Auto Assign Action to create a workflow, which will send two reviewers (Zhichao Liu, Yunding Wu) notification of pull request with their description messages. The reviewers will review the codes when seeing the notification in email.
3. We use HTML 5 validator to automatically check all HTML files in the feat branch. The Action will report any error according to HTML syntax of any file.

Doesn't Work:

1. CSS validator is not available to work for checking CSS syntax.
2. Javascript validator is not available to work for checking Javascript syntax.
3. Our pipeline is still the manual review process from reviewers. We still want to extend to more automatic ways to test the codes and push these to the main branch.