

## Feature

The feature we implemented is a form for reviewers to score and log applicants. The form tracks several metrics (like GPA score, GRE score, GMAT score, and a custom document upload for letters of recommendations, personal statements, etc.) of the applicants and can be used by the reviewer for further analysis.

## How-to and Implementation

- Begin by cloning our GitHub repository for our version of the Mayan EDMS. Run our version of Mayan EDMS with Docker. Follow the instructions in HW01 to get it running on localhost.
- Once Mayan EDMS is running, click on the green “Review Form” button in the top right corner. This should redirect you to a page containing a form. Enter relevant information into the respective fields:
  - Enter GPA score, GMAT score, GRE score
  - Upload a document(letters of recommendations, personal statement, and etc.) to Mayan using instructions found in the [document](#) section

The screenshot shows the Mayan EDMS web interface. On the left is a dark sidebar with navigation links: Documents, Cabinets, Checkouts, Indexes, and Tags. The main content area is titled 'Review form editor'. At the top right of the main area, there is a navigation bar with 'System', 'Review Form' (highlighted with a red box), and 'User'. The form itself contains several input fields, each labeled with a required field: 'Firstname: (required)', 'Lastname: (required)', 'GPA: (required)', 'GRE: (required)', 'GMAT: (required)', 'Document: (required)' (with a dropdown arrow), 'Text: (required)' (with a text area), and 'Submit date: (required)'. At the bottom of the form are two buttons: 'Save' and 'Cancel'.

## Manual Testing

### Test the review page

- Open the page by putting the url “localhost/review/review” in browser
- Open the page by clicking “Review Form” button in the top right corner
- The browser should be able to navigate to the review form in either way above

### Test submitting the form

- Put wrong data in one field(for example, 40000 for GPA); the submission should fail
- Leave a required field empty; the submission should fail
- Put correct data in all fields; the submission should succeed

### Test data insertion into database

- After submitting the data and jumping into the success page, log into the database by ``./manage.py dbshell`` and write SQL to select data from the table created by us. If a new row is inserted, it means the form submission is successful.

## Other Testing - CI Testing for build

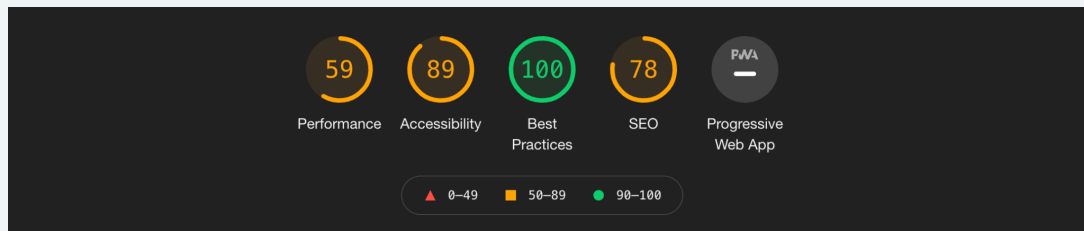
Supplementing manual testing for functionality is simple CI testing through GitHub Actions that ensures no change results in Docker build issues.

The screenshot displays a GitHub Actions workflow run for the 'change schema' job, Build #7. The workflow is part of the 'CMU-313 / fall-2021-hw2-redfox' repository, which is public and generated from 'CMU-313/Mayan-EDMS'. The workflow status is 'Succeeded' (indicated by a green checkmark). The build log shows the following steps:

Step	Duration
Set up job	2s
Run actions/checkout@v2	2s
Build docker image	4m 24s
Post Run actions/checkout@v2	0s
Complete job	0s

The workflow is based on the example implemented in the “CMU-313/Mayan-EDMS” GitHub repository and available [here](#).

## Other Testing - Lighthouse UI Testing



- Performance - 59%
- Accessibility - 89%
- Best practices - 100%
- SEO - 78%