

17-313 Recitation 11: Continuous Integration

Goal: During this recitation, students will explore different types of analysis that can be integrated into their development process as part of the continuous integration.

Task:

1. Ensure you have a fork of Mayan-EDMS from GitHub.
 - This fork should be public for this exercise
2. Sign up for Code Climate:
 - Visit <https://codeclimate.com>
 - Click Login
 - Click Quality
 - Sign up (recommended to sign up with GitHub)
 - Follow instructions and add the repository for Mayan-EDMS to Code Climate.
3. Run a basic Maintainability analysis on the project. a. What was the maintainability grade? How was that grade computed?

How many "Code Smells" did it uncover?

Browse through the issues it discovers. Were they all valid or were there some that were not actually issues?

4. Tune the repository settings in Code Climate. Stop warning on issues you do not think are actual issues you should be worried about.

Which options did you disable?

5. Find one code smell that you think is an actual issue. What was it?

6. Create a ticket for this code smell using the Code Climate interface using GitHub Issues. You'll have to get a GitHub authorization token and configure it for the project. Make sure your Mayan repo has "issues" enabled (Repo->Settings->Features->Issues (checkbox))

7. Add a badge to the Readme file. On Code Climate, go to Repo Settings -> Extras -> Badges and copy the html snippet into the Readme.md file in your GitHub repo. Commit the and see the changes.