

Modern Web Applications CS572

Final Project

This is a team-based project.

The project will contribute 25 points to your final grade.

Application specifications and requirements

It's up to you to decide your project specs and requirements. Team leaders will discuss with their team members an idea and write down a short description for it, set your goals and have a clear scope. Your project must use the following:

- Implement a login based system (JWT).
- Use UI Components <https://angular.io/resources>

Note: Chat and e-commerce/cart applications are not allowed. Set a more challenging goal.

Technical information

- You must use all the technologies we learned in our course (MEAN stack).
- Design your own DB, skeleton and app structure (let me know if you need help with this). Start by planning your screens and split your work between all members. (use DB as a service – Atlas).
- It's advised that every team member is responsible for implementing one use-case or project component from start to end.
- All Angular routes should be protected from public access by JWT (except sign up and sign in routes)
- All Express routes should be protected from public access by JWT (except sign up and sign in routes)
- Team leads will create one new Git repo and invite their team members as contributors. All team members must push to the same repo. Use branching.
- A daily push is required for each member to track your code and performance. If you miss a push that will affect your final grade.
- Do not push any private key of any service to Git. (If found, your account will be terminated and you may be legally sued by service providers). Write your keys in a config file (npm i dotenv) and add the filename to .gitignore
- Do not spend more than two hours on a problem, move on, or find an alternative.

Notes and daily routine

You are free to work from any comfortable spot you may choose and not required come or to be in the classroom. Best way to reach me is by email.

Note: classroom will be open and available all days.

Even though projects will be developed in teams, every team member will be graded individually based on their contribution and their quality of work. Team leads will be responsible for leading, mentoring their teammates and making the project succeed.

Final Evaluation

Every team will have to present a 10-minute presentation, each team member will have 3 mins to go over the details they worked on and demonstrate their work.

Team leads will have to send me an email to asaad@miu.edu on Tuesday before 9 pm with the following:

1. 3 slides presentation, team lead will create one slide for the project idea, each member will create one slide for problems/solutions/new things they learned during the project. (Host your presentation online)
2. Detailed project plan (daily schedule for each member and what they were responsible for – tasks/roles). I'll use this project plan to evaluate each member's performance. Every team member is expected to perform at least one daily Git push summarizing their daily contribution.
3. Your project git link.
4. Copy/paste your config file (all secret keys).

Good luck and happy coding!