**ASP.NET MVC task**

Create a university courses registration system with the following functionality:

1. The system will have 4 tabs/links (log in, sign in, list of courses and manage courses)
2. A student can register by email and password.
3. A student can log into the system
4. A student can see a list of available courses to which he/she can register. If the user trying to register to a course he is already registered an error message will appear as a popup/modal dialog.
5. A student can see a list of his/her courses (the courses he/she is register).
6. Two lists of courses - registered and not registered ones should be on the same page.
7. On the “Manage courses” link the student is allowed to add/edit/delete courses (to prevent more complexity no need for the student to have an administrator privileges)

Instructions

1. Make sure that your design follow the MVC pattern (separation of concerns)
2. Design the system’s database (create a small default set of courses/students and registered courses for students)
3. Implement validations where necessary (think about which validation are required, e.g email should be in an email format) and show a relevant error message if the validation didn’t pass.
4. Create at least one extension method.
5. Design the system prior to developing it to fit testability, reusability, performance, multithreading (Tiers/Interfaces/models etc…)
6. The system functionality be compatible (functionality + layout) to the following browsers (Chrome, Firefox, IE11, Safari).
7. If you make any assumption write it down
8. Document your code.
9. No yellow screen (unhandled exception) should be displayed. Present a default error page if such thing happens (should not happen).
10. Add the task to a Github repo - either a public or a private one. Organize the Git

commits the following way:

1. Initial commit with all changes not directly related to the task - the newly installed

Slim app, .gitignore file, etc.

1. All subsequent commits should be logically organized reflecting the steps you’ve

taken developing the application - neither one large commit with all changes nor a

multitude of smaller commits for every little tiny change

1. If for some reason you can’t provide a Github repo please at least include the .git

folder.

1. Document your code where needed and add a short README.