

Hospital Project - 30% of Final Grade

Due date for both sections
April 9th, 2020 at 11:59pm

The Hospital Project is a team Capstone project. It will involve techniques across many classes in the HTTP program. To complete this project successfully, a strong coordinated effort needs to be maintained. You are expected to use the documentation you created in the Project Management Course to guide and supplement this project.

Lab Work - 10%

The lab work portion of the assignment asks your team to regularly check in with the professor to make sure that your project is on the right track, work is distributed evenly, and that your feature scope is contained to a reasonable level. Each lab is graded on this rubric:

Incomplete - 0%	Partial Completion - 1%	Completed - 2%
No attempt made to meet the requirements	Attempt made to meet the requirements. Adjustments need to be made.	All work is satisfactorily completed and meets the specifications.

2% - Relational Models Lab

Description: All Models must be charted as an ERD diagram. Justifications convince your other group members and the teacher that the models and relationships are accurate. It is common for models between different group members to connect to each other.

How to Complete : All team members sign off on a finalized ERD diagram

How to Complete : All team members sign off on a document that justifies each relationship

How to Complete : Professor signs off on ERD diagram + Justifications.

2% Wireframes and Narratives

Description: The wireframes are a crucial planning step to make sure that everyone is aware of what needs to be built. Narratives exist as an extension of a database justification. It is a detailed story about how a user would utilize the website. This includes an Administrator View (full CRUD functionality) and non-Administrator View (can view content).

How to Complete : All team members sign off on each other's Wireframes

How to Complete : All team members sign off on a Narrative Document

How to Complete : Professor signs off on Wireframe + Narrative

2% - Deployment

Description: This project will require your team to acquire hosting (Most commonly AWS or Azure) in order to publish your data driven website.

How to Complete : Follow the instructions which will be provided to host your ASP.NET MVC5 application from a repository.

2% - Responsive Development for Data Driven Web Applications

Description: Using CSS media queries, you can turn a desktop web application into a mobile one. This requires a flexible understanding of how to produce HTML and CSS dynamically using server side scripting.

How to Complete : Utilize customized rendering loops to display content dynamically for List Views of your entities.

How to Complete : Use HTML IDs and classes in conjunction with media queries to make the site usable on mobile.

2% - Pagination Lab

Description: Pagination is the principle of converting a list view into a paginated list. By segmenting pulled data into pages, it greatly reduces page load time and is user experience friendly.

How to Complete : Implement Search Features (eg. Search bar, Filter, Sort)

How to Complete : Follow instructions during the Pagination Lab.

Individual Work - 20%

Minimum Viable Product (MVP) - 10%

MVP is marked based on completion of the Create, Read, Update and Delete features.

	Level 1	Level 2	Level 3	Level 4
Feature 1	Completion of less than 2 aspects of Create, Read, Update and Delete.	Completion of 2 to 3 aspects of Create, Read, Update and Delete.	Completion of all aspects of Create, Read, Update, and Delete.	Completion of all aspects of Create, Read, Update, Delete. Extra feature such as (Image Uploading, Search, Pagination, etc) also implemented.
Feature 2	Completion of less than 2 aspects of Create, Read, Update and Delete.	Completion of 2 to 3 aspects of Create, Read, Update and Delete.	Completion of all aspects of Create, Read, Update, and Delete.	Completion of all aspects of Create, Read, Update, Delete. Extra feature such as (Image Uploading, Search, Pagination, etc) also implemented.
Feature 3	Completion of less than 2 aspects of Create, Read, Update and Delete.	Completion of 2 to 3 aspects of Create, Read, Update and Delete.	Completion of all aspects of Create, Read, Update, and Delete.	Completion of all aspects of Create, Read, Update, Delete. Extra feature such as (Image Uploading, Search, Pagination, etc) also implemented.

Qualitative - 10%

Qualitative elements are marked based on code hygiene, comprehension, and styling.

	Level 1	Level 2	Level 3	Level 4
Comments	Little to no comments. Comments from in class example found in controller logic.	Comments are sparse and do not accurately describe application flow. Evidence of copy-pasting comments from previous functions.	Comments articulate each function to the best of their understanding. Includes highlighting elements you are unsure of.	Comments accurately reflect the thinking process of the developer. Includes highlighting elements you are unsure of. Includes plans for future features.
Debugging	Debugging not included.	Debugging included as generic tests messages. Not included in every function.	Debugging includes test messages in every function. Includes values retrieved from the database or values retrieved from user input.	Debugging includes comprehensive and detailed messages in every function. Includes values retrieved from the database and from user input.
Comprehension Note (1 - M = One to Many) Note (M - M = Many to Many) Note (EF6 = Entity Framework 6) Note (LINQ = Language Integrated Query)	Evidence of 1 or fewer 1 - M, M - M relationships. No application of the ViewModel. Uses only SQL queries.	Evidence of a 1 - M relationship. ViewModel is used but not properly documented. Uses only SQL queries.	Uses a 1 - M relationship and a M - M relationship. ViewModel is documented. Uses primarily SQL queries with some EF6 LINQ commands.	Uses a 1 - M relationship and a M - M relationship. ViewModel is precisely documented and effective. Uses a mix of SQL and EF6 LINQ commands.

<p>Style</p> <p>Note (Front End Framework = Bootstrap, CSS grid framework, etc.)</p>	<p>Little effort done with rendering loops. No custom CSS.</p>	<p>Rendering loop outputs a table-format. Little custom CSS and/or front end framework applied.</p>	<p>Rendering loop outputs custom HTML code. Some custom CSS and/or frontend framework applied. Layout is not changed for mobile.</p>	<p>Rendering loop outputs well structured and semantic HTML. Layout is changed and fits on all screen sizes. Custom CSS is applied and/or front end framework applied.</p>
--	--	---	--	--