

Capstone Project: Process and Rubric

Welcome to the Capstone class. This class is your last class and your chance to showcase all of your skills and talents gained from this program. This class is about process and product – so not only will you be making a working application but you will use proper project management practices to create this product. If you have ever taken a math test – you want to show how you arrived at the answer as well as show the right answer.

Rubric

Capstone Percentage Rubric		100
Process		50
Project Timeline		3
Requirements Document		10
Barriers Assessment		2
User Testing		5
Meetings		
Weekly Check-in / Support (x5)		10
Mentor Meetings (x2)		6
Project Presentation		14
Product		50
Project meets all Must Have features described in the Requirements Document.		25
Above, plus project meets all Should Have features described in Requirements Document.		10
Above, plus project meets all Nice to Have features described in the Requirements Document.		5
		5
Design elements facilitate the intended use of the application.		5
Timesheet		5

This is the rubric that we will be using to determine your final grade. The first 50% is for the process – this is the documents we want you to write, the meetings you must attend, and working with your mentors.

The second 50% is for the product - your application. You have to understand what the MVP, the minimum viable product is. What is the least amount of work you need to create something of value? What are the ‘Must Haves’? Your application must work to this amount. After that, we build the “Should Have” features. What features would your user expect to be there beyond the basics? When those features have been accomplished - and if there is still time - then we tackle the “Nice-to-have” aspects – what you might call the “bells and whistles”. What you want to have is your application working at the MVP level and then add complications – in that

way you can always revert to your MVP if things stop working. This makes troubleshooting much easier. As you progress you may add design elements that will make it better looking – that is fine. Remember, in Web development, function first then form. We make something that works and then we make it pretty. As well, we want you to record your time – so you could reasonably assign a dollar value to your work.

It is of utmost importance that you complete both process and product as a representation of the skills and knowledge gained through our program. You have to attend your meetings with us on a weekly basis. You have to do the documentation – the purpose of the documentation is for you to know what you are building before you build it.

Detailed Rubric

Criteria	Proficient	Competent	Novice
PROCESS			
Project Timeline	3	2	1
	Specific objectives are provided for Weeks 2-7 in TIMELINE.xlsx.	Missing status and target dates.	Objectives are vague or not measurable.
Requirements Document	10		1
	Rationale: 2 Wireframes: 2 Content description: 1 User stories: 3 DB Description & Diagrams: 2	Sections provide enough detail that they could be built by someone else.	Name of project and a specific technology stack are identified.
Barriers Assessment	2	1	0
	Technical challenges and API details are clearly defined; contingency plans described.	Significant details are missing from your tech assessment.	Potential challenges or API details are not provided.
User Testing	4-5	1-3	0
	Usability issues identified through testing (5 participants) are prioritized and clear action items are described.	Usability issues are identified, but remedies are not clearly proposed. At least 3 participants.	No clear usability issues or action items are identified in the report. Fewer than 3 users were tested.
Weekly Meetings	10		
	In Weeks 2-6: provide a progress update/demo (1); and next steps (1).	5 meetings x 2 marks for project, timesheet and GitHub review	
Mentor Meetings	6	3	0
	Met with mentor twice and provided sufficient meeting notes to instructors.	Met with mentor once and provided sufficient meeting notes to instructors.	Did not meet with assigned mentor, or missed scheduled meeting with mentor.

Criteria	Proficient	Competent	Novice
PRODUCT			
Project Application	40	35	25
	Project is deployed to the internet and has all Nice-to-have features described in the Requirements Document.	Project has all Should Have features described, but is missing Nice-to-have features.	Project is deployed to the internet and meets all Must Have features described in the Requirements Document.
Design Elements	5	3	0
	Design elements facilitate the intended use of the application.	Design elements make clear what this application is for and how to use it.	The purpose of the application or how to use it is unclear.
Timesheet	5	3	2
	Total project hours and hours by category are included.	All project hours logged.	Coding hours logged and submitted.
PRESENTATION			
Deployment	7		0
	A link to your deployed project is provided.		A link is not provided.
Purpose	1	0.5	0
	A specific intended user is identified, and the purpose of the app is made clear.	One of these important factors is not made clear.	It is not clear who this app is for or what it does.
Technology	1	0.5	0
	A list of all front-end, back-end and API technologies is provided.	A partial list is provided.	Technologies are referred to generally but not specifically.
Feature Level	1		0
	A specific level of Must Have, Should Have, or Nice-to-have is identified.		A specific level is not identified.
Demonstration	2	1	0
	A full walk-through of the main and admin features of your app is provided.	A partial walk-through is provided but omits a Must Have feature.	Errors occur that interrupt your demonstration.
Modifications	1	0.5	0
	Specifics regarding changes made based on user testing.	Testing-based changes are brief.	Changes based on user testing are not mentioned.
Next Steps	1	0.5	0
	Future intentions or objectives for this project are provided and prioritized.	Intentions are vague or not prioritized.	No future project plans are provided.