Project out of 200 weighted points  
Presentation out of 50 weighted points  
Entity Relationship Diagram sent to and approved by instructors: 25 weighted points  
Total: /275

You must come up with a real-world business problem to solve.

You can use the technologies of your choosing, although we recommend ASP.NET web application framework. If you want to use something other than ASP.NET, this must be discussed with the instructors.

You must read the following documents:

* Capstone Expectations
* Capstone Checklist
* User Stories Approval Process

**(Required)** As a developer, I want to get my project proposal, which must be in the form of user stories, approved by an instructor, so that I know I have a good project to work on.

**(25 points)** As a database designer, I want to create an entity relationship (ER) diagram to show the relationships amongst my tables in my normalized database and have it approved by an instructor, so that I have proper database architecture.

**(50 points)** As a presenter, I want to have a prepared presentation, so that I can accurately talk about the business problem I solved, technologies used, problem(s) encountered, and solution(s) to these problems.

**(200 points)** As a developer, I want to complete all the features (user stories) that were approved by an instructor during the project approval phase, so that I can having a functionality application.

Trello Link: <https://trello.com/b/8fZKSe5w/adam-m-personal-capstone>

Adam M Capstone User Stories

(2.5 points): As a Customer, I want to be able to create an account to store my “tech inventory”

(10 points): As a Customer, I want to be able to create a personal “Tech Inventory” that acts as

a list of owned technology.

(10 points): As a Customer, I want to be able to create a “service ticket” when I am in need of repair/assistance with one of my devices.

(5 points): As a Customer, I want to be able to edit/delete my inventory via an easy, multi-

choice/click interface.

(5 points): As a Customer, I want to be able to leave a rating and review of my “Nerd” after services have been completed.

(10 points): As a Customer, I want to be able to see a Neighborhood Nerd’s rough location from a map by an “area” or pin.

(10 points): As a Customer, when I click on a Nerd’s location on the coverage map, I want an automated text to be sent to that Neighborhood Nerd via SMS Twilio API (to simulate a “house call”).

(10 points): As a Customer, I want to be able to pay for my completed service ticket (Stripe/PayPal API).

(5 points): As an Employee/Business Owner, I want to see all pending tickets.

(5 points): As an Employee/Business Owner, I want to be able to claim “pending” tickets, and see my claimed tickets.

(5 points): As an Employee/Business Owner, can mark tickets as complete.

Bonus User Stories:

(10 points): As a Business Owner, I want to integrate this into [www.neighborhoodnerd.biz](http://www.neighborhoodnerd.biz)

(5 points): As a Customer, when I click on the coverage map, I want to be able to contact Neighborhood Nerd via an email API using the SendGrid (a Twilio company) API

(5 points): As a Customer, I want to receive a birthday “perk” when my birthday arrives.

* Birthday Perk = Free 1st hour of any repair, walkthrough, or troubleshooting session.

(2.5 points): As a Business Owner, I want to be able to view the details of any/all customer Inventories