**Group Capstone Project**

**Project out of 120 points**

**Presentation out of 20 points**

**Total project out of 140 points\***

\*Individual grades among team members can be adjusted based on project contributions or lack thereof, which will be evidenced by commits and/or team lead feedback

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

Your team must use ASP.NET Core MVC and integrate multiple APIs to solve the business problem. Integrate being the key word here.

\*If applicable, your team should write a REST API and integrate it with the application\*

Your team must write the project proposal in the form of user stories and get it approved by the instructors.

**(5 points):** As a developer, I want to get my team’s project proposal, which must be in the form of user stories approved by an instructor, so that I know my team has a good project to work on. Technologies used to build the application will include ASP.NET Core MVC, multiple integrated APIs, and \*our own built REST API\*.

**(5 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.

**(5 points)** As a project manager, I want to create a Trello board that has user stories broken down into tasks so that I can assign tasks to other team members as well as myself in order to efficiently reach the minimal viable product (MVP).

**(5 points):**As a developer, I want to make good, consistent commits.

**(10 points)**As a developer, I want to use asynchronous actions for all I/O calls made in my application, with a specific emphasis on all API actions.

**(90 points):**As a developer, I want to complete all the features that were approved by an instructor during the project approval phase, so that I can ensure the project is as good as it can be.

\*You will be presenting this project to the instructors and classmates on the day it is due. The presentation is worth 20 points.

\*Create a free Trello account here: <https://trello.com/>

\*The ER Diagram and link to Trello board must be turned in with project