**Capstone Project Requirements**

1. Build a Project in any language

1. You must use the subjects you learned in the course.

1. You must include one language/feature/framework you did not learn in the course (examples: search bars, payment process, picture carousel, etc…. **Be Creative**)

1. You can build a Microservice App

1. The backend is Python, Ruby, or any other backend language.

1. The back end must be connected to the Front-End via API.

1. You can build a Photo Blog App

1. **eCommerce** - Build an online shop - User Story: A user can select from a set of products and walk through the full purchase process.

1. **Modern Blog** - Building a blog that allows for Omniauth and Elasticsearch - User Story: A user can create a blog account by logging in with one or more social accounts (Facebook, Twitter, GitHub, etc). User Story: Visitors can search through content via Elasticsearch, including an auto-complete component.

1. **Factory Automation System** - Build an application that manages each state of the factories manufacturing process. User Story: A digital product can be taken from one stage through a full workflow. E.g. A fleet management program where a vehicle can be added, then have a custom set of maintenance requirements added, then be assigned to a driver, all by different managers.

1. **Use your imagination to be creative have fun with it.**

1. **It is permissible to use tutorials, The tutorial cannot make up more than 40% of the FInal Capstone Project.**

1. The App must be mobile responsive
   1. Unless you can provide a good reason why it cannot be (ex: Browser-based video game)

1. Hosted on any hosting service

1. You must submit the App URL, Github URL, passwords, and usernames needed to test the application. All info must be submitted to [project@bottega.edu](mailto:project@bottega.edu). Do not send it to your Mentor or Instructor personally.

1. It will take approximately 2 - 3 days to review your code and make sure you have a functioning Application.

1. Do not be discouraged if we do not approve of your project right away. We will include in the email back to you what to add and what more we are wanting to see.

1. The mentors will be there to help you with some issues but this is a project you must do on your own with little support.

**Have Fun and Good Luck**