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CISC 4900 Independent and Group Projects I  
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Project Details

## **Bloc Fall 2020 Internship - Web App (Bloc Plug-in) with Job Board Integration + RESTful API**

### Overview/Objective:

Bloc is an online career service management platform to help workforce development organizations digitize, centralize, monetize and scale their career training services. During the five week internship my assigned group, Product Team Turtle, is to help improve the platform through the design and deployment of a new Job Board or Technology Tool Plug-in.

With a stack of our choosing, the application will do the following:

- Integrate with a useful technical jobs board or technical resource site via an existing API or ***ethically*** scrapes public resources
- Stores data in a relational database
- Allows for a POST or GET request to a RESTful API
- Is deployed on a free instance via Heroku (recommended for ease of use), EC2 or Digital Ocean
- Has a home page view and Bloc's basic UI branding

### Execution:

The work used to design the application will be divided into weekly tasks and assignments

- **Week 1:** Complete a Product Spec, outlining the following:
  - a. Summary of the problem you are working to solve with your integration
  - b. User Personas that you come up with via user interviews and/or research
  - c. Product specifications, including your chosen stack, and general architecture of your web app and API
- **Week 2:** Work through a tutorial for your given stack on API integrations, Web Scraping and/or API development with the feedback of Amina & Camille
- **Week 3:** Begin development of your simple web application
- **Week 4:** Finish up development and update your index view with Bloc HTML/CSS template. Receive debugging support from Amina via office hours.
- **Week 5:** Finish up your app and prepare your final presentation (demo)

