**Merchant Game: Project Proposal**

**Description**

The name “LexLight” means “to illuminate the law”. What I’m building is a web application that allows users to select government legislation to follow so that when my web crawler detects that an amendment to the legislation is released the user will be notified and can view the legislation on the government website.

**Key Features**

* Allows the users to edit their account
* Allows the users to edit their followed legislation
* Notifies the user when legislation they follow is amended

**Functions**

* Main loop from website homepage
  + Search – user can search for the legislation they’re looking for
    - View legislation – takes user to legislation on the government webpage
  + Log in – user can log in to their account with which to follow legislation
    - Confirm user – emails key to user that they must enter to confirm the email used for their account is theirs
  + Sign up – user can create an account with which to follow legislation
    - Confirm user
  + Log out – user can log out of their account that follows certain legislation
  + User account management – user can manage the aspects of their account
  + User legislation management – user can manage the different legislation they follow
    - View legislation
  + Prompt payment – asks the users to purchase a subscription so they can follow more legislation
* Notification loop – checks feed from government website to notify users following the legislation when it is amended

**End User**

The people that I intend to use this product could range from lawyers preparing for new amendments to legislation so they can advise clients on it as soon as possible and small businesses that want an easy way to keep track of changes to the law that affect their business.

**IDE**

I will be programming all the code for this website in Visual Studio using JavaScript, HTML and CSS.

**Data**

I plan to store all of the user’s data and information about the legislation in a MySQL database containing many relational tables connecting to one another.

**Algorithms**

Complex algorithms that I would have to program myself for this project include the web crawler that reads through the government feed and sends the data back to the main program. It also includes the search function that has to go through a lot of data quickly and efficiently.