

## **Coding and Documentation Standards**

**Software:** JetBrains Rider

**Language:** C#

### **Coding Conventions:**

1. Each file should handle one entity.
  - a. Ex: Location.cs will handle all things related to location mapping for a purchase.
2. Variables at the top of the file.
3. No code bits. Every piece of code should either be a:
  - a. Variable
  - b. Method
4. Make individual .cs files for variables that have concrete values.
  - a. Ex: TitleFontSize = 9;

### **Naming Conventions:**

1. PascalCase
  - a. PublicVariables
  - b. Methods
  - c. Classes
  - d. Properties
2. camelCase
  - a. privateVariables
3. Methods: Verb
  - a. Ex: GetLocation()
4. Variables: Noun
  - a. Ex: PaymentLocation //Public variable.
  - b. Ex: paymentLocation //Private variable.

### **Commenting Conventions:**

1. //Comment goes here. → Used for one line comments.
2. /\*Comment goes here\*/ → Used for multiple line comments.
3. Methods: Use /\*\*/
  - a. Place comment at the top of the method.
  - b. Information:
    - i. Name of the method.
    - ii. Description of what the method does.
    - iii. Description of the value returned and its type, if applicable.
    - iv. Description of each parameter and its type, if applicable.
    - v. Description of any exceptions thrown, if applicable.

**Documentation Conventions (for pushing to the repo):**

1. Name.
2. Title: What big updates were made to the code. Separate each item with periods.
  - a. If you're unsure that an update is "big" consult a team member.
  - b. Ex: GetLocation() method, created but not finished. Bug found in Location.cs, issue generating the location in desired output format.