# Intro to JavaScript Week 6 Coding Assignment

**Points possible:** 70

|  |  |  |
| --- | --- | --- |
| Category | Criteria | % of Grade |
| Functionality | Does the code work? | 25 |
| Organization | Is the code clean and organized? Proper use of white space, syntax, and consistency are utilized. Names and comments are concise and clear. | 25 |
| Creativity | Student solved the problems presented in the assignment using creativity and out of the box thinking. | 25 |
| Completeness | All requirements of the assignment are complete. | 25 |

**Instructions:** In Visual Studio Code, or an IDE of your choice, write the code that accomplishes the objectives listed below. Ensure that the code compiles and runs as directed. Take screenshots of the code and of the running program (make sure to get screenshots of all required functionality) and paste them in this document where instructed below. Create a new repository on GitHub for this week’s assignments and push this document, with your JavaScript project code, to the repository. Add the URL for this week’s repository to this document where instructed and submit this document to your instructor when complete.

**Coding Steps:**

For the final project you will be creating an automated version of the classic card game *WAR.*

Think about how you would build this project and write your plan down. Consider classes such as Card, Deck, and Player and what fields and methods they might each have. You can implement the game however you’d like (i.e. printing to the console, using alert, or some other way). The completed project should, when ran, do the following:

* Deal 26 Cards to two Players from a Deck.
* Iterate through the turns where each Player plays a Card
* The Player who played the higher card is awarded a point
  + Ties result in zero points for either Player
* After all cards have been played, display the score.

Write a Unit Test using Mocha and Chai for at least one of the functions you write.

**Screenshots of Code:**

War Game

Text

Description automatically generated

Text

Description automatically generated

Graphical user interface, text

Description automatically generated

Text

Description automatically generated

Text

Description automatically generated

Text

Description automatically generated

Text

Description automatically generated

Text

Description automatically generated

Unit Tests

Text

Description automatically generated

**Screenshots of Running Application:**

Page before game is played

Graphical user interface, text, application, chat or text message

Description automatically generated

Page after game is played

Player 2 Won this Game

Graphical user interface, text, application, email

Description automatically generated

Text

Description automatically generated

Image of Player 1 Winning Game

Graphical user interface, text, application, email

Description automatically generated

Message for a Tied Game

Graphical user interface, text, application

Description automatically generated

Unit Tests Results

A picture containing graphical user interface

Description automatically generated

**URL to GitHub Repository:**

https://github.com/markslaysman/Week6-CA