# Intro to JavaScript Week 6 Coding Assignment

**Points possible:** 100

**URL to GitHub Repository:** https://github.com/SpaceChkn/Week6

**URL to Your Coding Assignment Video: https://www.dropbox.com/s/z17xn5927qx914d/week6.mp4?dl=0**

**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.* You do not need to accept any user input, when you run your code, the entire game should play out instantly without any user input.

There are many versions of the game *WAR,* but in this version there are only 2 players and you don’t need to do anything special when there is a tie on a round.

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 run, 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 both Players
* After all cards have been played, display the score and declare the winner.

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

**Video Steps:**

Create a video, up to five minutes max, showing and explaining how your project works with an emphasis on the portions you contributed. This video should be done using screen share and voice over. This can easily be done using Zoom, although you don't have to use Zoom, it's just what we recommend. You can create a new meeting, start screen sharing, and start recording. This will create a video recording on your computer. This should then be uploaded to a publicly accessible site, such as YouTube, Dropbox, or Google Drive. MAKE SURE THE LINK YOU SHARE IS PUBLIC or UNLISTED. If it is not accessible by your grader, your project will be graded based on what they can access. The link should be pasted in the submission text box after the GitHub repo link. REQUIRED: PUBLIC link to video, and GitHub repo link with everything listed above!

**Screenshots of Code:**

**War app.js**

**Text

Description automatically generated A screenshot of a computer screen

Description automatically generated with medium confidence**

**Text

Description automatically generatedText

Description automatically generated**

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

Description automatically generated**

**Mocha and Chai app.test.js**

**Text

Description automatically generated**

**Screenshots of Running Application:**

**Graphical user interface, text, application

Description automatically generated**

**Mocha and chai**

**Graphical user interface, text, application

Description automatically generated**