

**CSE 264 – Web Systems Programming, Fall 2014**  
**Class Project – Step 1**

**Due Friday, 11/7/14**

- **Objective**

The project will bring together a number of different topics we have covered in class and provide additional implementation experience.

- **Description**

We will be playing a variation of the card game Uno using a standard deck of playing cards. (See <http://www.instructables.com/id/How-to-play-UNO-with-regular-playing-cards/>) This first step will require you to get the cards displayed on the screen.

- **Instructions**

1. Create an HTML5 application project in NetBeans and call it Fall14Project-`<lehigh-email-id>`. Eg., my version would be called Fall14Project-jaf207.
2. Download the set of cards in the zip file accompanying these instructions. Unzip these into a folder in your NetBeans project.
3. On your index.html page, create a div for holding a hand of (any number of) cards and displaying them horizontally.
4. Pre-load all the images from the images folder and store each one as an element in an array to be used later. The ordering of the images is very important. Load the cards in the rank order: A, 2, 3, 4, 5, 6, 7, 8, 9, 10, J, Q, K and in the suit order Clubs, Hearts, Spades, Diamonds. Now any card can be referred to as a number from 0-51.
5. Create a JavaScript function *displayHand(hand)* that takes an array of integers (hand) as a parameter and displays the corresponding cards on the screen. To test this function, hard code an array of integers representing the hand.
6. Implement an event handler to allow you to drag one of the cards in the hand and drop it on another part of the screen (a div). This (and any other applicable functions) should use jQuery.
7. To submit your assignment, do a clean on your NetBeans project, ZIP it up and upload the zipped file to Coursesite.