Mara Kinoff

Dr. Payne

CIDM 4382-01

8 October 2018

Assignment 3

This program is a simple treasure hunting game. You will see a square-like field that will represent the yard that you are digging in, with the initial yard showing undug grass. Then you will click on a portion of the yard to dig there, until you find the buried treasure.

You will be asked to click exactly where you want to dig. Every time you do not find the treasure while digging, you see the portion of the yard change from grass to dirt, representing a dug hole. You will continue digging in the yard until you successfully find the buried treasure, which will be represented by seeing gold coins and you will see a message telling you that you have found the treasure.

I approached the programming process by determining what I wanted the screen to show first, then researching what type of code I needed to use and manipulate in order to make the screen show what I wanted. I also did what I normally do, in that I tested smaller portions of code at a time before making a large amount of changes. I started by giving an id tag to each square in the yard. I then initialized the yard to look like grass and randomized the treasure location. Then I wrote my if-else statements under each yard square’s id tag, checking if where the user clicked was where the treasure was then showing the respective image.

The most challenging part of the program for me was figuring out how to put the images in the yard. I understand this wasn’t a requirement but I felt like it was an additional way for me to challenge myself. It was interesting to learn how to use jQuery to insert images in a different way than what I had previously learned. I still feel like I need to do more research on my own on how to manipulate the image using jQuery.

I would say that some insight gained from my process is that using languages like jQuery, JavaScript, and CSS really take web pages to new levels. I didn’t realize how advanced some of the code gets in order to make web pages look even half decent. I definitely have a lot more respect for those who created websites before things like bootstrap and had to write websites from scratch.