Software Architecture Report
Cella Rule-150

In this project, one of the elementary cellular automation rule is it specifies the next color in the cell, depending on its color and its immediate neighbors. The Cella growth is shown in 2D grid of size 400x400 of black and white. The outcome for this rule is a binary representation, $150 = 10010110_2$. The initial setup was Assigned all the cells values to 0 and assigne cell[0][190]=1. Starting with a single black cell, successive generations were obtained as illustrated in the rule which has eight possible configurations.

Here, is the architecture of the project using the Cella Rule-150. It consists of a application which is a html file run on the web browser. The user is given with the basic files and a web browser to run the application. The main HTML page which consist of many methods and function are used to build the cella rule 150. This project is developed using JavaScript and basic HTML with CSS. Our architecture system of the project looks like as shown below.
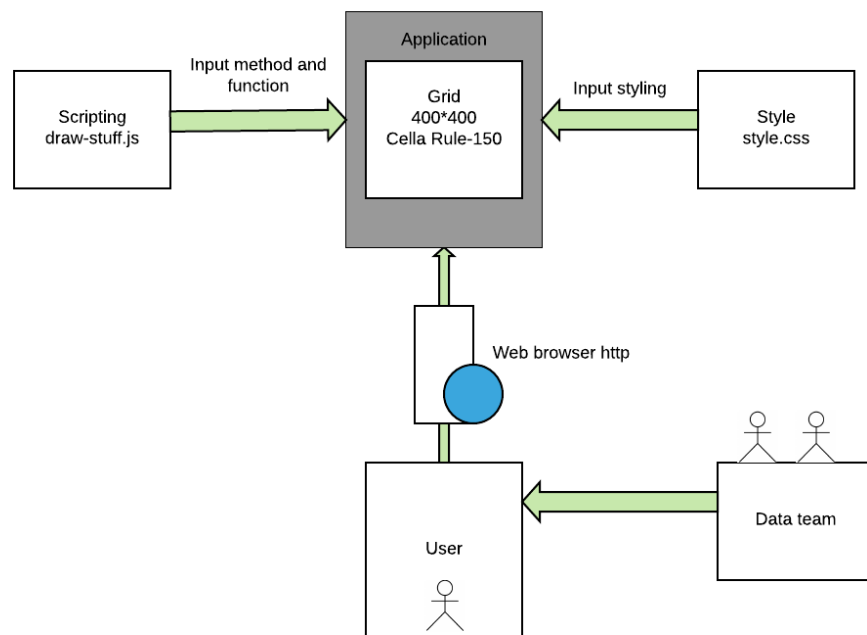

Figure: Software Architecture Diagram