TEAMMATES:

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ICP3 – Report

Programming Tools:

GitHub, VS Code

Source Code:

Pavan - 16234822
https://github.com/JVSPAVAN/WebMobile-2022Spring/tree/ICP3/Web/ICP3

Vamsi – 18230326
https://github.com/VamsiAlapaty/Web-Mobile-Spring2022/tree/ICP3
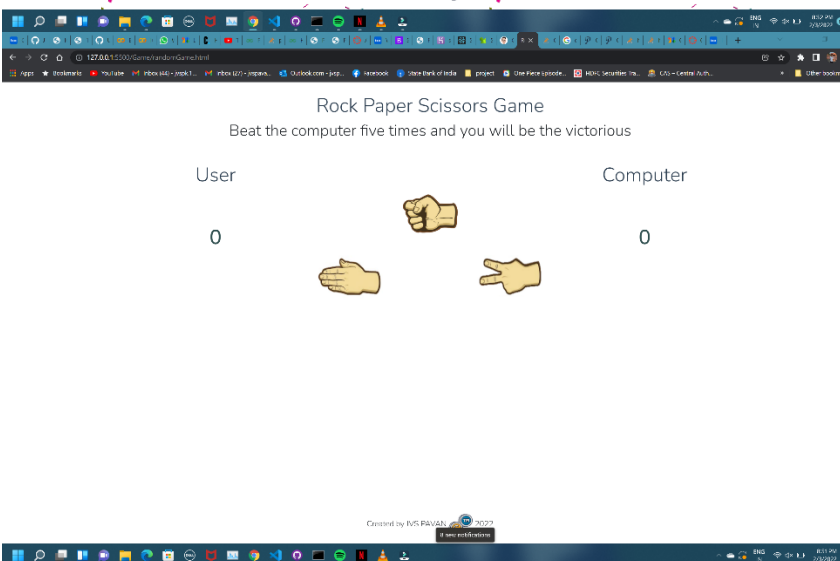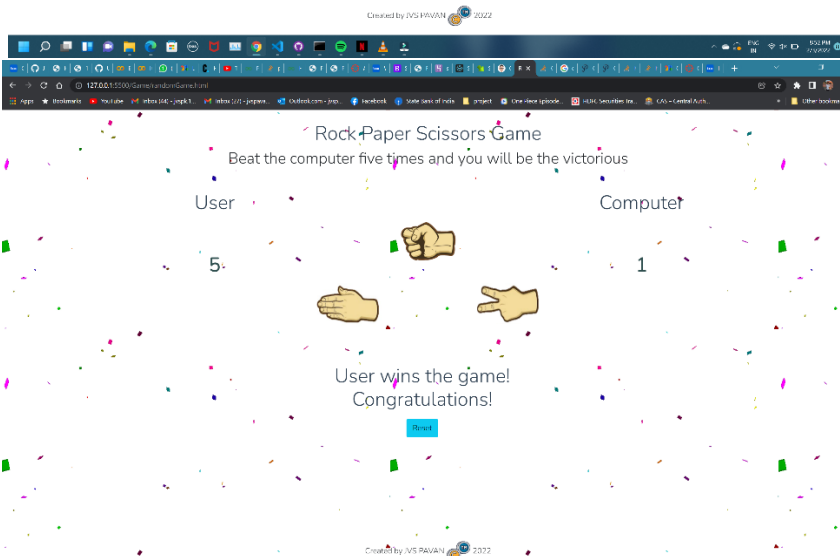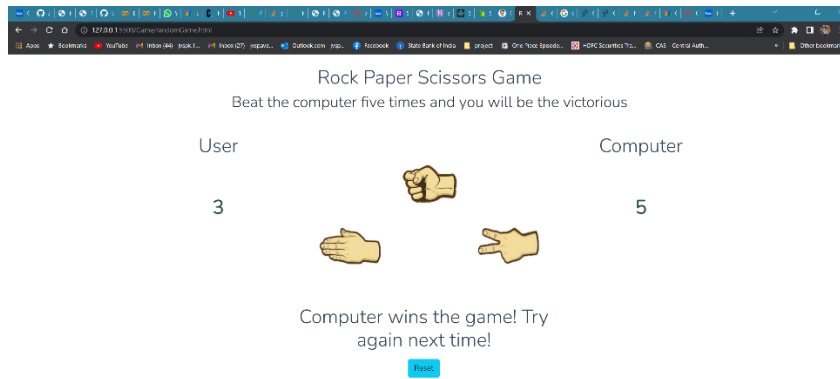
Description:

Task – 1:

As part of ICP3 task 1, a Rock paper scissors game is developed using HTML, CSS and Javascript.

Game Concept:

In this game 'User' plays against 'Computer'. User will be selecting one among the rock, paper and scissors and the value is passed to the script logic as a string. This user value is stored as input and a 'compInput' function is called for generating the computer value. In this function, 'Math.random' method is used to generate a random value as computer input. Using 'if-else' condition blocks both the inputs are compared, and the result is generated. The result is displayed on the billboard as points. Whoever scores 5 points will be emerged as winner. After declaring the winner, a button is displayed to reset the game.

Please play and enjoy the game!!!!!

Screenshots:

Task – 2:

      As part of ICP3 task 2, a Responsive Web Design is developed according to the mockup that is shown in the ICP document. Bootstrap 4 is used for developing this website and 'Lato' font is used for styling the text that was appearing on the webpage. Bootstrap link is used to inherit the properties of CSS to the HTML webpage.

      Containers are the basic layout element which is used as a default grid that helps in maintaining the content within center. Padding is applied to the content, and the containers can also be used as nested which are not used in most of the layouts.

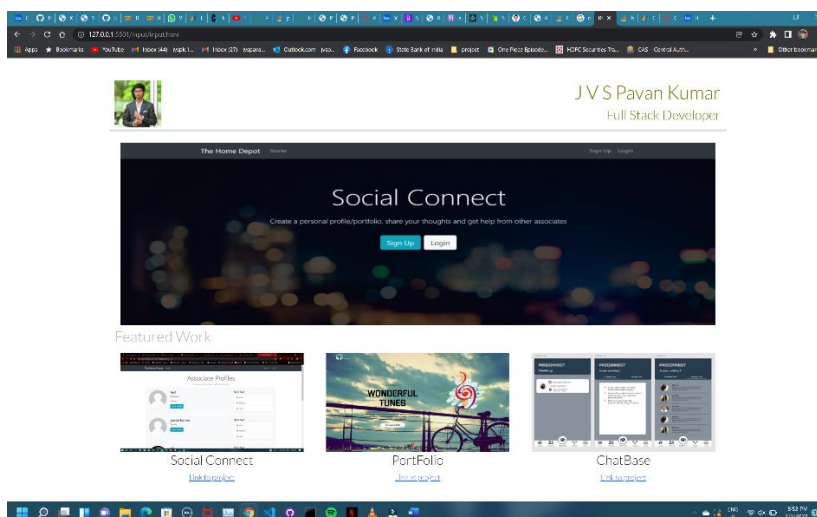Bootstrap have three different types of Containers:

- .container, which sets a max-width at each responsive breakpoint
- .container-fluid, which is width: 100% at all breakpoints
- .container-{breakpoint}, which is width: 100% until the specified breakpoint

      To make the webpage responsive breakpoints are used which are scaled up in 5 measurements those are sm, md, lg, xl and xxl. For example, .container-sm is 100% wide to start until the sm breakpoint is reached, where it will scale up with md, lg, xl, and xxl.
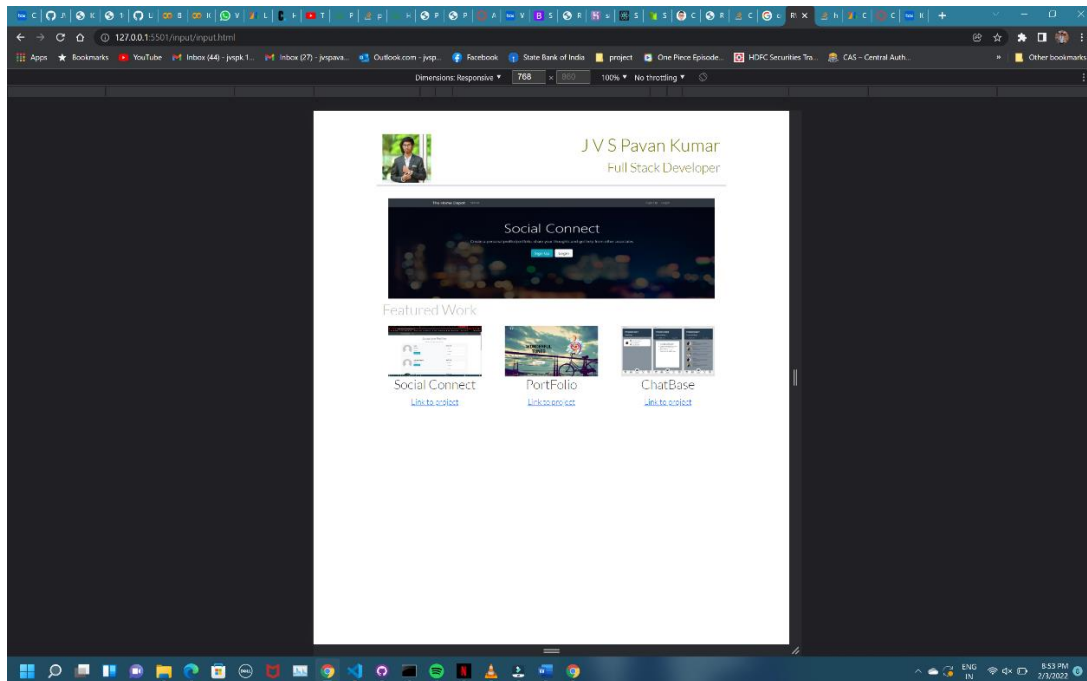
      'row' class helps in alignment with all the data in a single row and the 'col' class helps in aligning the data within the column. 'text-center' class is used which makes the data to get displayed in the center of the column. To color the text and inline styling is used.

Screenshots:

Web View:

Tab View:

Mobile View: