Week1

1. Build a responsive web application for shopping cart with registration,login,catalog and cart pages,using css3 features,flex and grid.

Aim: Build a responsive web application for shopping cart with registration,login,catalog and cart pages,using css3 features,flex and grid.

Description: HTML,CSS and java Script are essential components for creating a functional responsive web Application ,A condensed example of a shopping cart with registration,login,catalog and cart pages in provided.

Project Structure:

1. index.html -main HTML file containing the structure of the web
2. Styles.css- css file for styling the web pages
3. Script.js- java script file for handling interactions and logic
4. Images - folder for storing images

Explanation:

1. HTML Structure-The HTML file consists of a header navigation,and a main content area initially empty but dynamically populated using java script.
2. Css Styles: The css file offer basics byling for header,navigation and main content area,which can be costomizedaccording to your design needs
3. Java Script:the java script file contains dummy cantalog data and functions for loading and adding products to the cart,allowing real world interaction with a server for catalog data rerieval and user cart management.

**Output:** The shopping cart applications basic structure is displayed in index.html with the catalog section containing dummy product data.

Note: The example is intentionally simplified and you would need to add ,with more functionally such as user authentication cart management and server communication for a fully functional shopping cart application.

Week2

Aim: Make the above web application responsive web application using bootstrap framework

Description:Bootstrap is a popular css framework easy to create responsive web applications.the previous example can be modified using bookstrap by following steps:

Project Structure:

1. index.html- main HTML file containing the structure of the web application with bootstrap.
2. Script.js - java script file for handling interactions and logic
3. Style.css-you can include additional custom styles if needed.
4. Images-folder for storing images

Output:

When you open index.html in a web browser you’ll see that web application is now responsive

The bootstrap framework takes care of making the layout adopt to different screen sizes ,providing a new user friendly experience on various devices.

Remember to test the responsive by resizing your browser or using different devices to see now the layout adjusts.