



UNIVERSITY OF MISSOURI-KANSAS CITY

Programming Web/Cloud/Mobile

Lab 1 Assignment

Team Members:

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Introduction:

This Lab assignment deals with the the basic web technologies HTML, CSS ,JavaScript with responsive web design(RWD) .In this lab assignment it primarily focuses on the basic topics of Web Programming .

Objectives:

To code for the 6 questions by implementing the below concepts.

- HTML CSS, JavaScript
- AJAX
- Responsive web design

Approaches /Methods:

Using HTML 5, CSS 3, JavaScript and Web Strom

Workflow &Datasets/Parameters and Evaluation:

The below each question will follow different approaches to solve. Coding is done to perform the evaluation of each individual snippet to build an e commerce website which is responsive.

Question 1:

Lab Assignment:

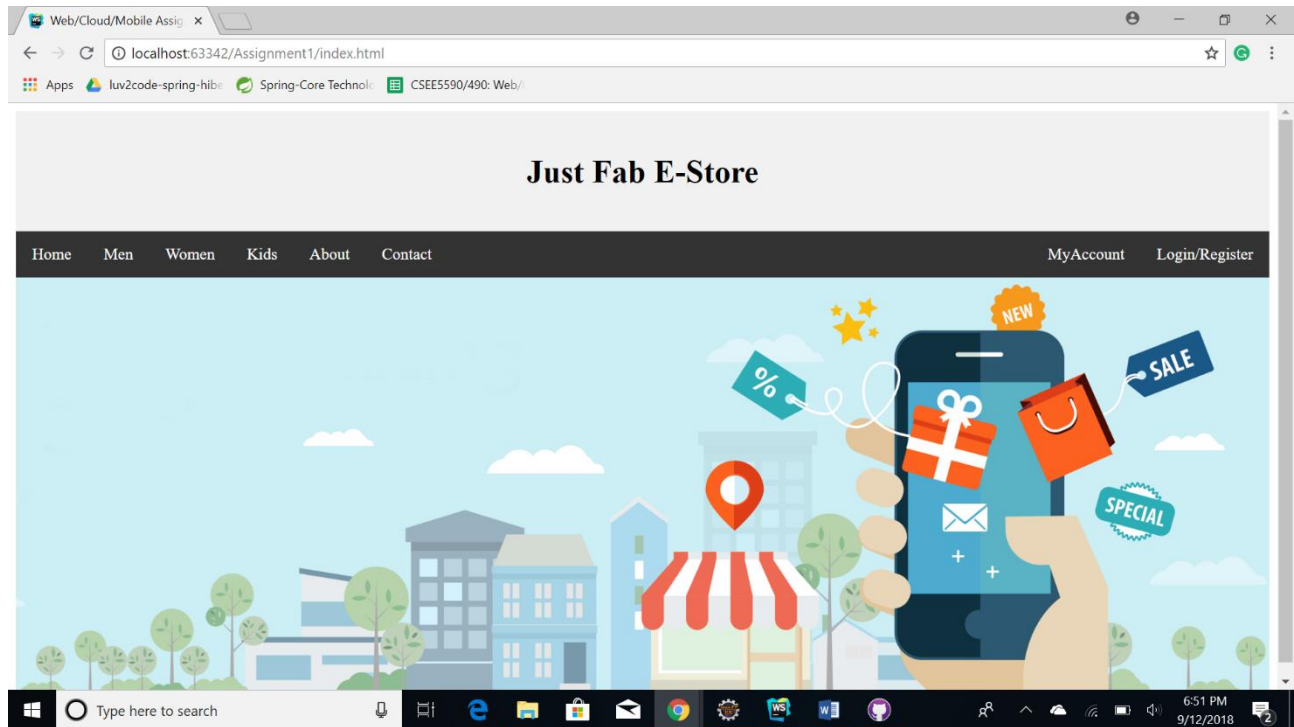
Multi-Page Responsive Website: ***e-commerce web application***

1. Create an e-commerce web application which will render below details in different web pages
 - User Account details (Logged in user, Guest user)
 - Order details (Recent Orders, Old Orders)
 - Products Details (e.g. Clothing, Shoes, jewelry etc.)
 - Create individual pages for subcategories (e.g. Women, Men, Girls, Boys, Baby etc.)
 - Include appropriate images for product details where ever required
2. Don't restrict yourself to given description, you can enhance web application with the creativity. However, you must use all the elements that we have discussed in the class
3. Use appropriate CSS for styling. Make the pages and images responsive. (Check its responsiveness for different screen sizes.)

Solution:

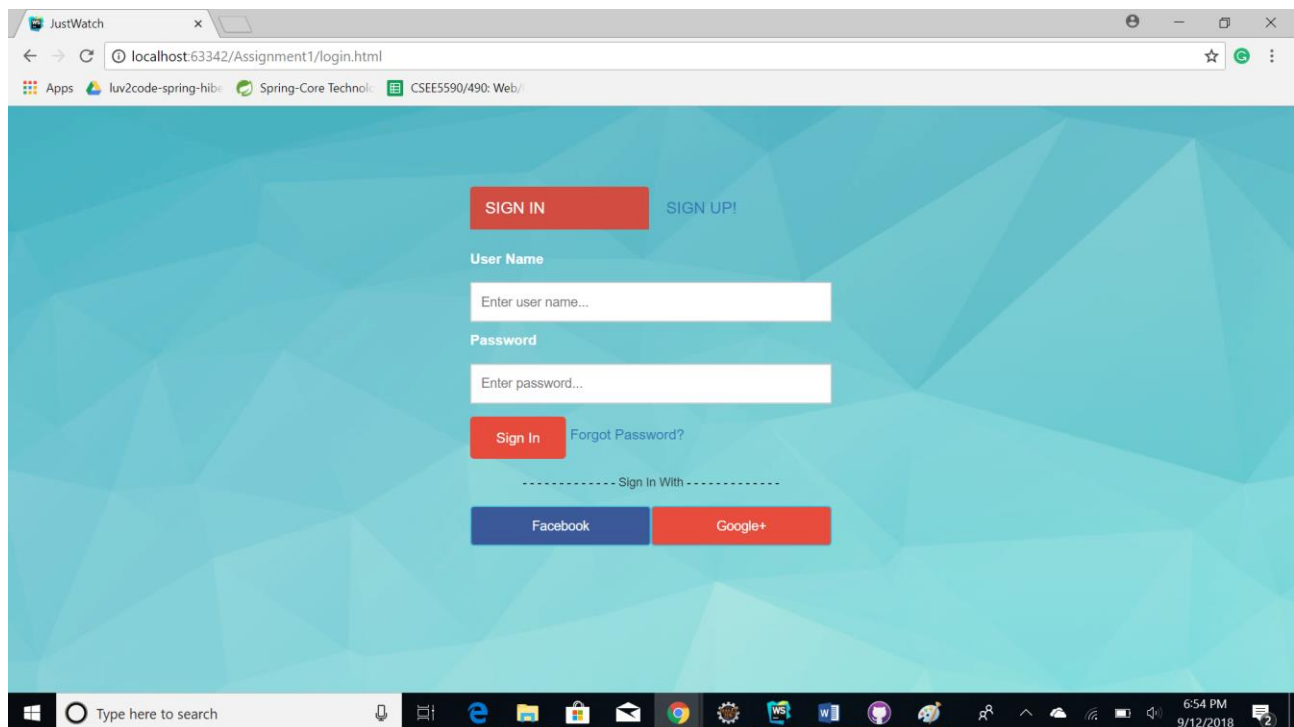
Home Page:

Below is the screenshot of the home page of our e-commerce web application. It contains different categories for shopping, users can select the respective category and can navigate to the product details page

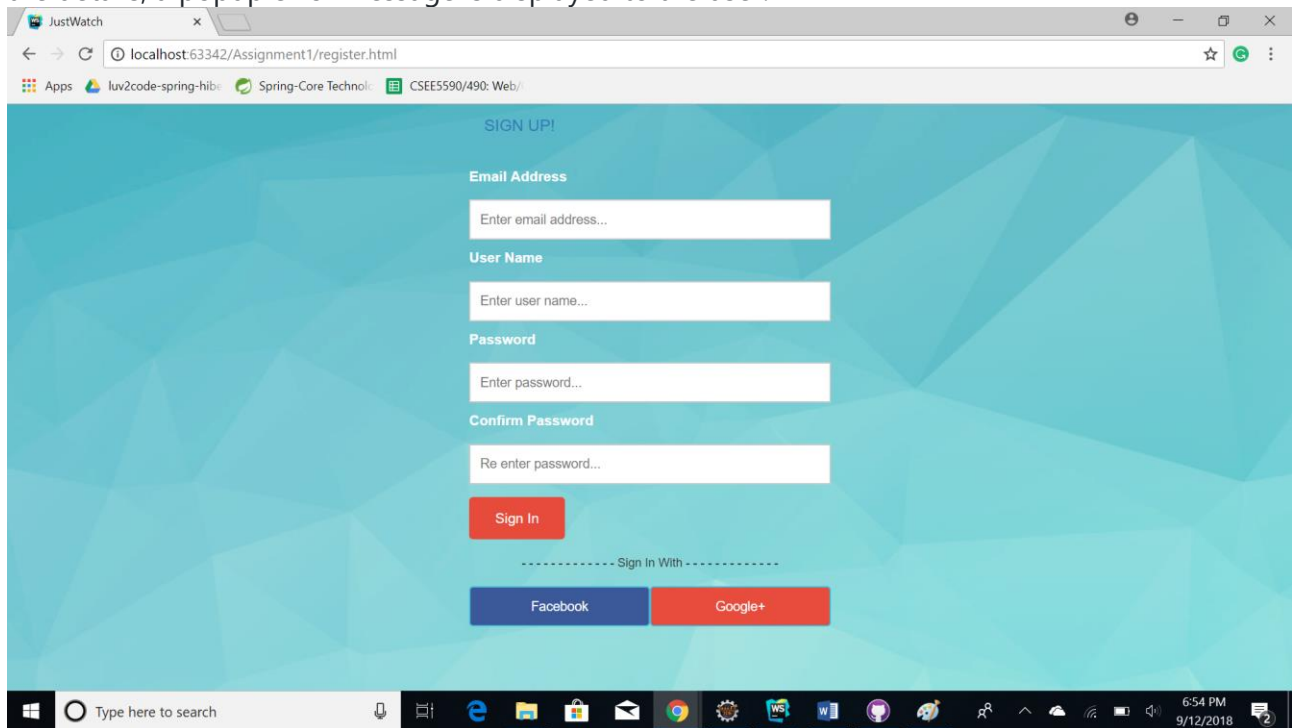


Login and Registration Pages:

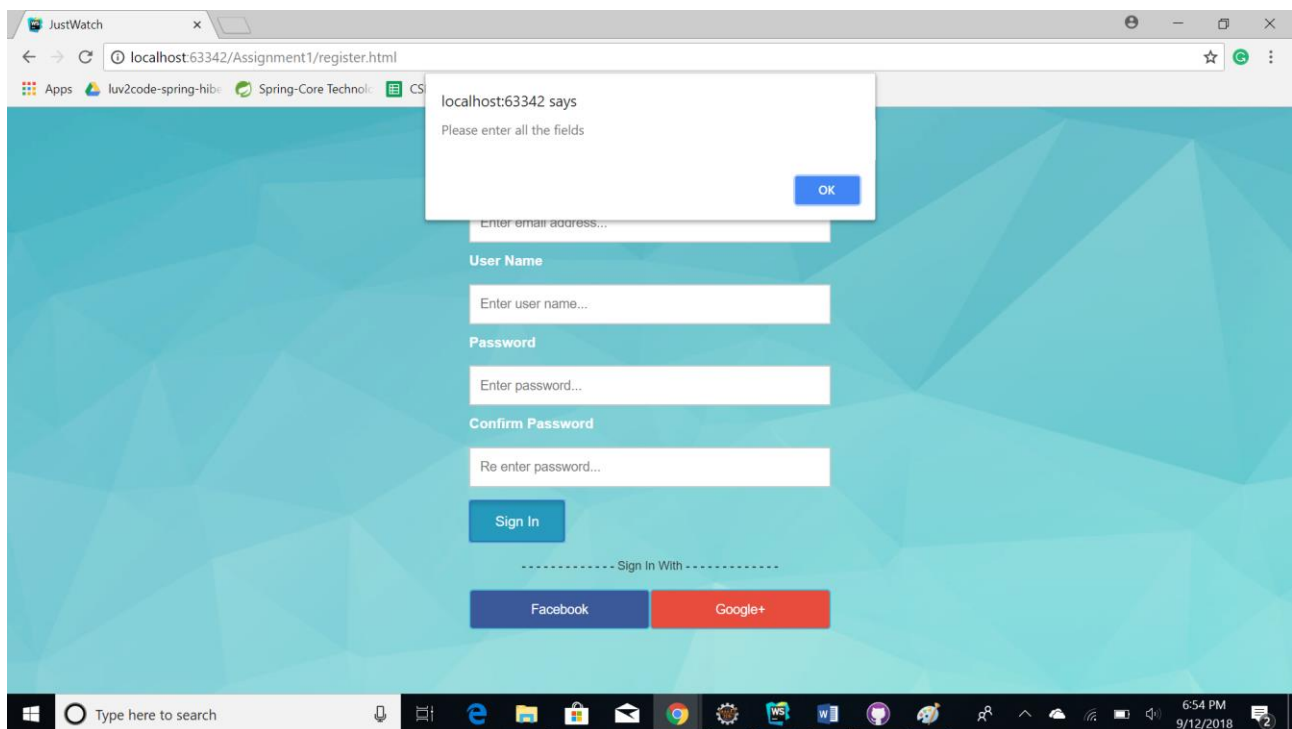
The home page also contains the option to login into the user account by clicking the Login/Registration button. On clicking the login button users are redirected to login page where users should provide username and password.



We implemented the validations for the login page. If the users try to login without providing all the details, a popup error message is displayed to the user.

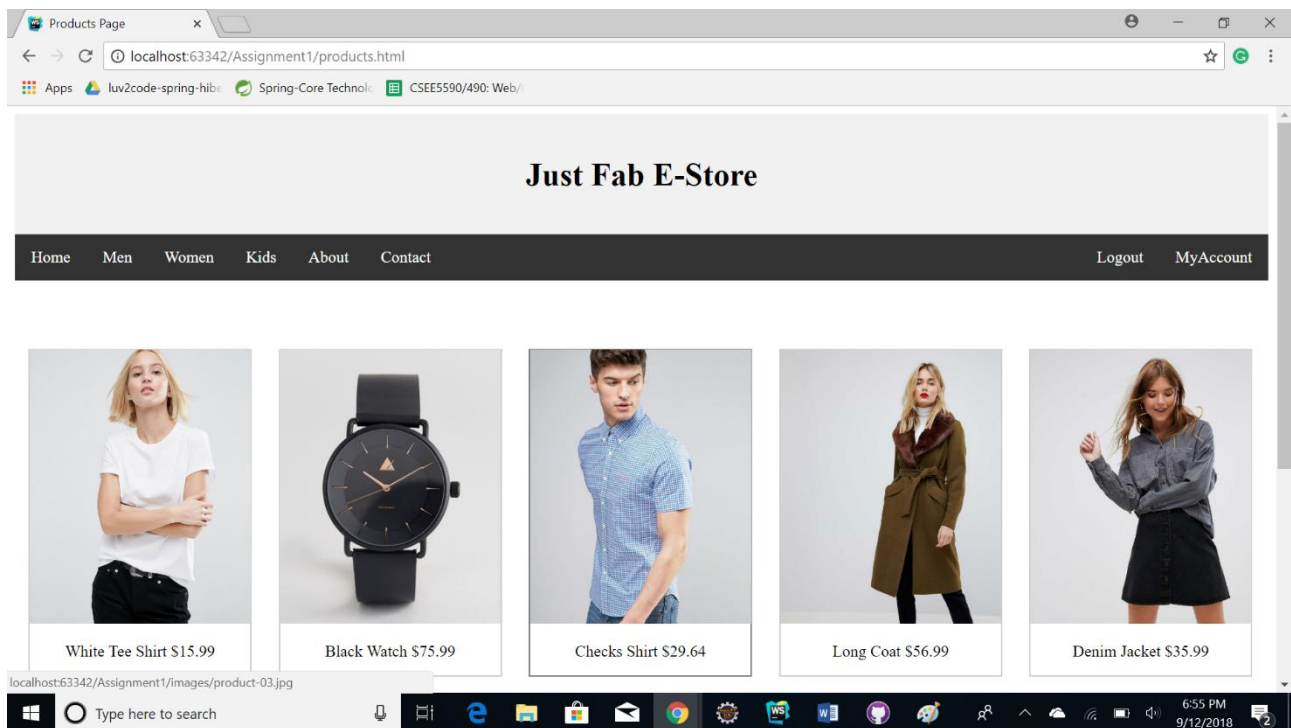
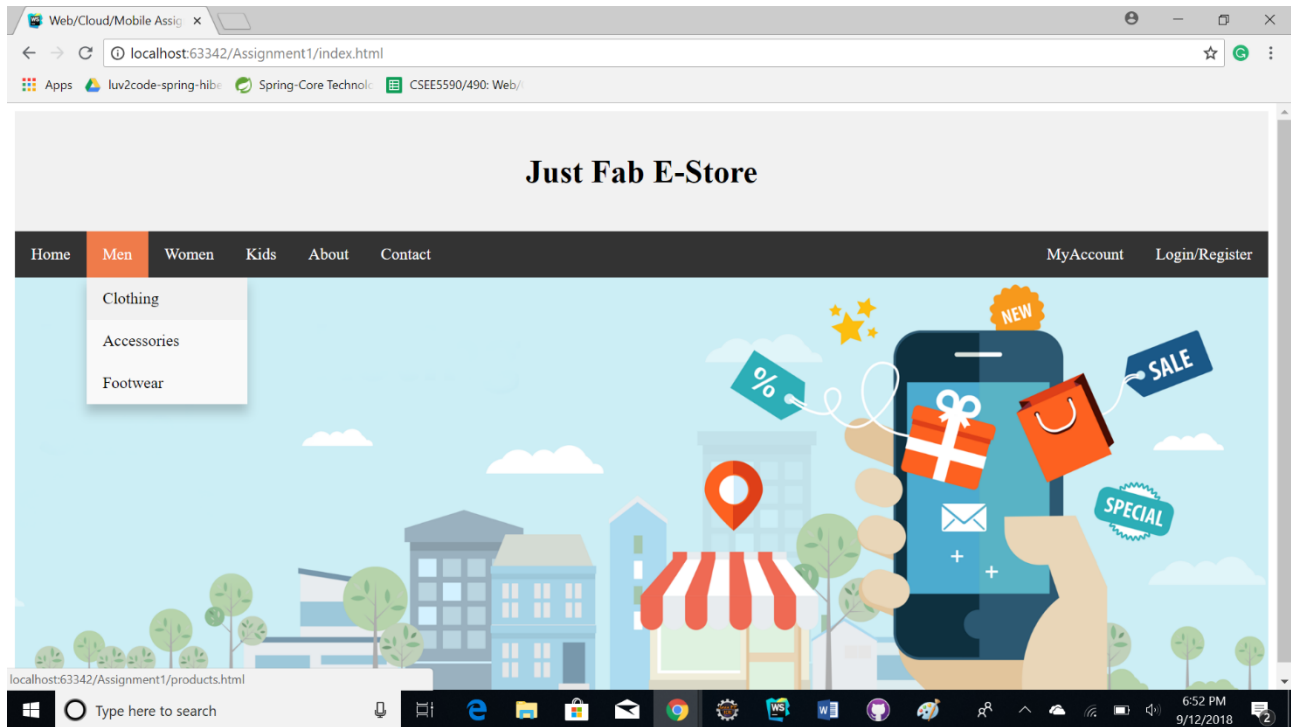


The screenshot shows a web browser window with the URL `localhost:63342/Assignment1/register.html`. The page has a teal background with a geometric pattern. It features a "SIGN UP!" heading followed by four input fields: "Email Address", "User Name", "Password", and "Confirm Password". Each field contains placeholder text: "Enter email address...", "Enter user name...", "Enter password...", and "Re enter password..." respectively. Below these fields is a red "Sign In" button. Underneath the button is a dashed line and the text "Sign In With". Below this are two buttons: "Facebook" (blue) and "Google+" (red). The Windows taskbar at the bottom shows the search bar and various application icons. The system clock indicates 6:54 PM on 9/12/2018.

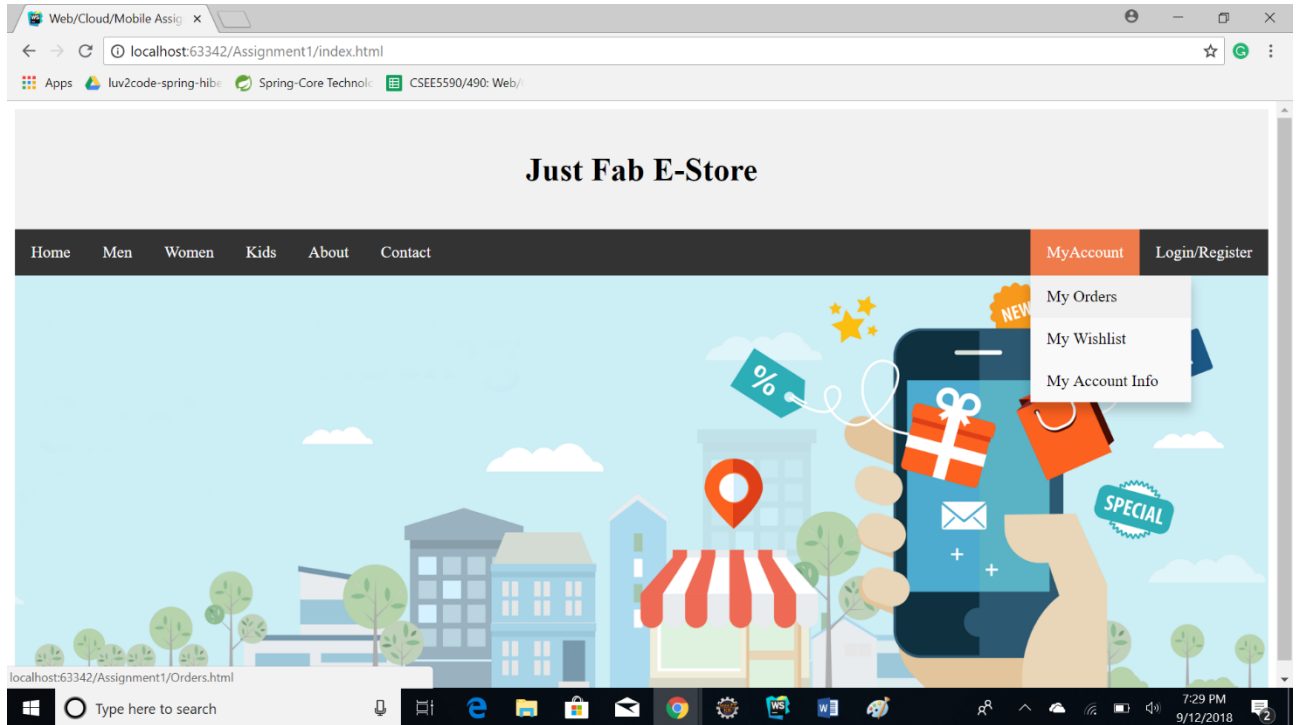


This screenshot shows the same registration page as the previous one, but with a validation error popup. The popup is a white box with a title bar that says "localhost:63342 says". The message inside the box reads "Please enter all the fields". There is an "OK" button in the bottom right corner of the popup. The "Sign In" button is now blue, and the "Facebook" and "Google+" buttons are also blue. The rest of the page and the Windows taskbar are identical to the previous screenshot.

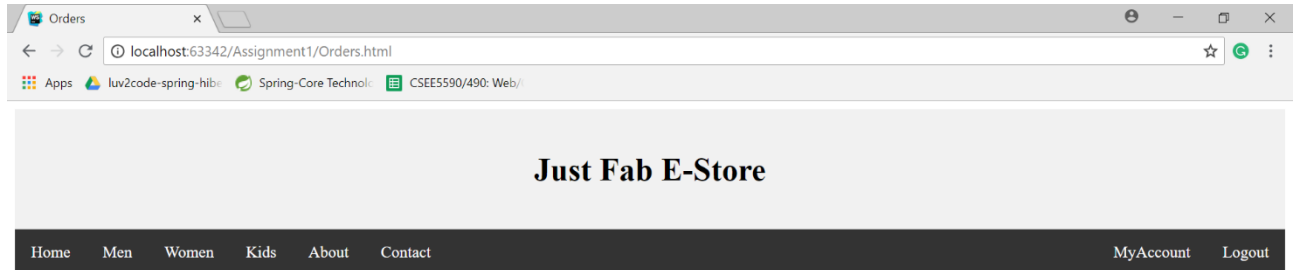
In home page if users select the particular category they are redirected to the products details page where users can select the items.



In home page users can view the recent orders by clicking on myAccount button and selecting the MyOrders option from the drop down. Below is the screenshot.



Recent order history



Order History

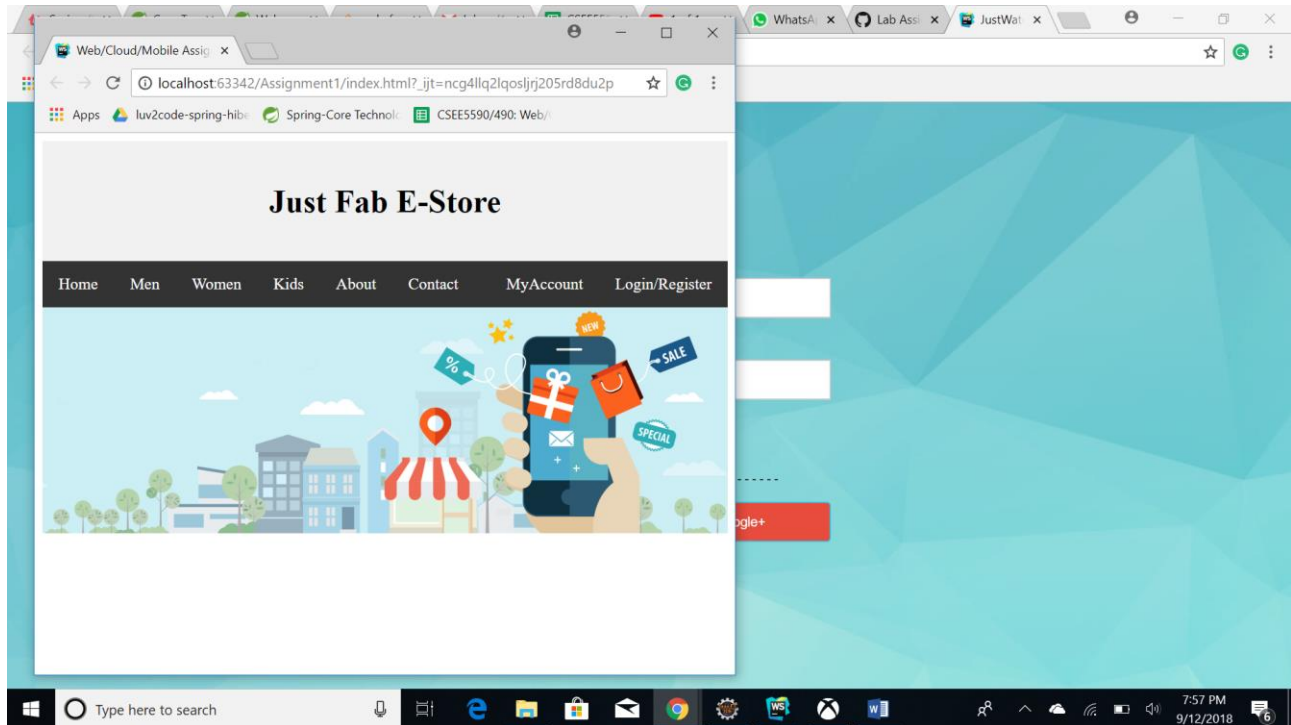


White Tee Shirt

Delivered on 12th September



Responsive web design:



Conclusion:

As stated the above workflow with certain set of parameters is followed in solving the execution by implementing the core and basic concepts of the web programming.

Source code link: <https://github.com/Sridevi333/Programming-web-cloud-mobile/tree/master/Assignments/Assignment%201>

Video Link: https://youtu.be/tGjLErq_zEQ

Wiki Link:

<https://github.com/Sridevi333/Programming-web-cloud-mobile/wiki/Lab-Assignment-1>

