

► Suggested Exercise 05 - Creating Your Second e-Commerce Web Site

REMARK: Suggested Exercises are optional for completion - your completion before the designated deadline will be counted into bonus score by the end of the semester. Meanwhile, attempting the suggested exercises should prepare you for the next round of coursework challenges in the semester.

INSTRUCTIONS FOR CISC3003 Suggested Exercise 05 - Creating Your Second e-Commerce Web Site

Remark: To complete this exercise, you must have updated your Eclipse IDE for Java Developers, to include related Web development components. Please refer to [CISC3003 Suggested Exercise 00 for Week 00](#). Alternatively, you might have installed the Eclipse IDE for Enterprise Java and Web Developers in your computer.

Watch the following Video Tutorials to Start

- [How to create Website Page Layout in HTML CSS | using Flexbox - Web Layout Design - Part 01](#)
 - Published by [Chidre'sTechTutorials](#) on 2022JUL23
 - <https://youtu.be/QeAx9JBw8Ss>
- [How to create Website Page Layout in HTML CSS | using Flexbox - Web Layout Design - Part 02](#)
 - Published by [Chidre'sTechTutorials](#) on 2022JUL27
 - <https://youtu.be/a8gB2s1Mw60>
- [How to create Website Page Layout in HTML CSS | using Flexbox - Web Layout Design - Part 03](#)
 - Published by [Chidre'sTechTutorials](#) on 2022JUL30
 - <https://youtu.be/DrUUCLqF3fw>
- [How to create Website Page Layout in HTML CSS | using Flexbox - Web Layout Design - Part 04](#)
 - Published by [Chidre'sTechTutorials](#) on 2022JUL31
 - <https://youtu.be/McXyyqPJiEE>

REQUIREMENTS

In this suggested exercise, you are building on top of your completed [Suggested Exercise 04](#), to create your second **e-Commerce** multipage website using your knowledge of HTML and CSS (including a bit of JavaScript) to introduce your business, targeting the specific stakeholders (including potential customers and business partners), by following the steps in the blog post below:

Blog Post: [How to layout and design a website \(without any design skills\)](#) - 2018APR24

- Decide the basics of your website
- Research existing websites
- Write down notes for your own website
- Plan the layout of your website
- Build your complete wireframe
- Decide the basic design specifications
- Build out the website

Required Deliverable Items in your e-Commerce website:

Besides the deliverables brought forward from [Suggested Exercise 04](#), you are required to produce the following:

- Updated Showcase Page (from Suggested Exercise 04)
 - This is a 1-page website updated with concise information to showcase your individual demo projects (under a new section My Project Demos), including the eCommerce site stipulated below
- e-Commerce Demo Site - Home page
 - This is a 1-page website with the following sections required:

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- *Banner* header section (including navigation links for different sections, transformed into a dropdown menu for the mobile screen in support of responsive design)
- *Feature Categories* section (including images)
- *Feature Products* section (including image, product price, and product rating)
- *Latest Products* section (including image, product price, and product rating)
- *Product Offer* section (including exclusive product with image and price)
- *Testimonials* section (including comments and ratings from individual customers, with their photos)
- *Top Brands* section (including listing of other brands adopting the advertised products)
- *Footer* section (including 4 columns: a) Download Our App, b) Our Logo, c) Useful Links, and d) Follow Us on Facebook | Twitter | Instagram | YouTube)
- Adopt a 1-page style for this page of your e-commerce website, just as what you have accomplished in [Suggested Exercise 03](#), covering the various sections under that page.
- e-Commerce Demo Site - All Products Page
 - Refer to the design details from the video [Design eCommerce Site All Products Page](#), keeping the header and the footer as in the home page.
- e-Commerce Demo Site - Single Product Details Page
 - Refer to the design details from the video [Create eCommerce Site Product Details Page](#), keeping the header and the footer as in the home page.
- Style
 - Modern and clean, with good photos
- Navigation
 - Easy to navigate with page and section links in your page.
- CSS Files
 - Create at least one external CSS file to style your multi-page e-Commerce website.
- Header and Footer of your page
 - Create suitable header (navigation links) and footer for your web page so as to present a sense of professionalism to your audience.
- Images
 - Include suitable images in your pages - provided in the folder of this suggested exercise
- Textual Information
 - Include meaningful *textual description* of your e-commerce web page, covering different sections as indicated above.

Required Contents of Your Multi-Page Website

- Re-produce the required Web pages from the example sites described in the videos below for your reference in planning the contents of your e-Commerce demo site:
 - Create eCommerce Website - Part 1
 - Published by [Easy Tutorials](#) on 2020JUL08
 - <https://youtu.be/yQimoqo0-7g>
 - Design All Products Page - Part 2
 - Published by [Easy Tutorials](#) on 2020JUL16
 - https://youtu.be/ZbnvP_hmxfE
 - Create eCommerce Site Product Details Page - Part 3
 - Published by [Easy Tutorials](#) on 2020JUL18
 - https://youtu.be/ENyk_W-Eleo

Project Setup under Eclipse IDE

1. Select your Eclipse workspace at d:\cisc3003-2026\CISC3003-YourStudentID-2026, where YourStudentID is your student ID (in lower case letters and digits, say, dc251924).
2. Create your Eclipse project for this suggested exercise and name it "CISC3003-SugEx05-2026FEB13"
3. Create a folder under your project space and name it "images"
4. Move all the image files for this SugEx05 into the above "images" folder
5. Create a homing (or front page) HTML file "cisc3003-SugEx05-demo.html" in the project space (say, under the folder "public"), which is the same as "cisc3003-SugEx04-demo.html".
6. Refer to the "Figure 08: Eclipse Project Space for Suggested Exercise 05" for your reference - Homepage ("cisc3003-SugEx05-demo.html")

7. Refer to the "Figure 09: Eclipse Project Space for Suggested Exercise 05" for your reference - All Products Page ("allProducts.html")
8. Refer to the "Figure 10: Eclipse Project Space for Suggested Exercise 05" for your reference - Single Product Details Page ("productDetails.html")
9. Refer to the "Figure 11: External Browser (Chrome) View for Suggested Exercise 05" for your reference - Single Product Details Page
10. Refer to the "Figure 12: Folder View of Suggested Exercise 05 Eclipse Project" where the project named "CISC3003-SugEx05-2026FEB13" is found.

Work Steps - Suggested Exercise 05

1. Open the file "cisc3003-SugEx05-demo.html" in the editor of your *Eclipse IDE* enhanced for Web development, so you can start making changes.
2. Open a browser and direct it to the same file inside the Eclipse IDE.
3. Start creating the two HTML pages "allProducts.html" and "productDetails.html" by following the 1-page design format at [How to layout and design a website \(without any design skills\)](#).
4. Produce the different sections in your Web pages and the css file "cisc3003-SugEx05-demo.css", including the various styling rules for the different sections in your Eclipse HTML editor and CSS editor respectively. Note that "cisc3003-SugEx05-demo.css" is developed from the completed "cisc3003-SugEx04-demo.css" from Suggested Exercise 04.
5. Render your Web pages in the Internal Web Browser of your Eclipse IDE, and also in an external browser (e.g., Chrome, Firefox, or Edge).
6. Add an identity detail in the footer section in the Web page(s) produced in (4) and include your student ID and name after "CISC3003 Web Programming - 2026: Student ID + Student Name".

Test Steps - Suggested Exercise 05

1. Firstly, test your pages with different sections by seeing if its presentation follows the 1-page format in the *Example Format* from [Central Coffee Shop \(thecoderencoder.github.io\)](#). Be sure to test the responsive design by resizing the windows, and observing the changes in screen appearance. Capture your screens to prove your media queries work.
2. Validate the pages by passing the individual HTML files into <http://validator.w3.org> or <https://html5.validator.nu>, and ensure that it displays a message that indicates it contains no errors. Capture the screen shot indicating there is no error in your HTML page after testing.
3. Include the screen shots from (1) and (2) in a) the Eclipse project space (under a folder called "My Screen Shots"), and b) in the sharing forum [CISC3003 Personal Discussion Forum of Suggested Exercise 05 - Week 05](#).

GitHub.com Steps

1. Push your completed Eclipse project for Suggested Exercise 05 to a public GitHub.com repository (named as "CISC3003-StudentID-2026GitHub") under your GitHub.com account, registered using your UM email address.
2. Study the Youtube video [How to push Eclipse Project to GitHub | Share Eclipse Project to GitHub](#) and the [CISC3003 Notes for Practice 02](#) to complete the task of Step 1 above.
3. Capture the essential screens (see example screens below) and show them in the personal forum as proof of your work for Step 1 above. Name and store the screen shots in the "My Screen Shots" folder under your Eclipse project space.
4. Show your public GitHub link (URL) to your repository "CISC3003-StudentID-2026GitHub" by creating a separate topic "My GitHub Repository for CISC3003-2026" in your personal forum. Please remember to replace "StudentID" with your UM student number.

NB Please take note that the following screens captured in your work must be updated to the specifics (especially the repository name) according to the above instructions.

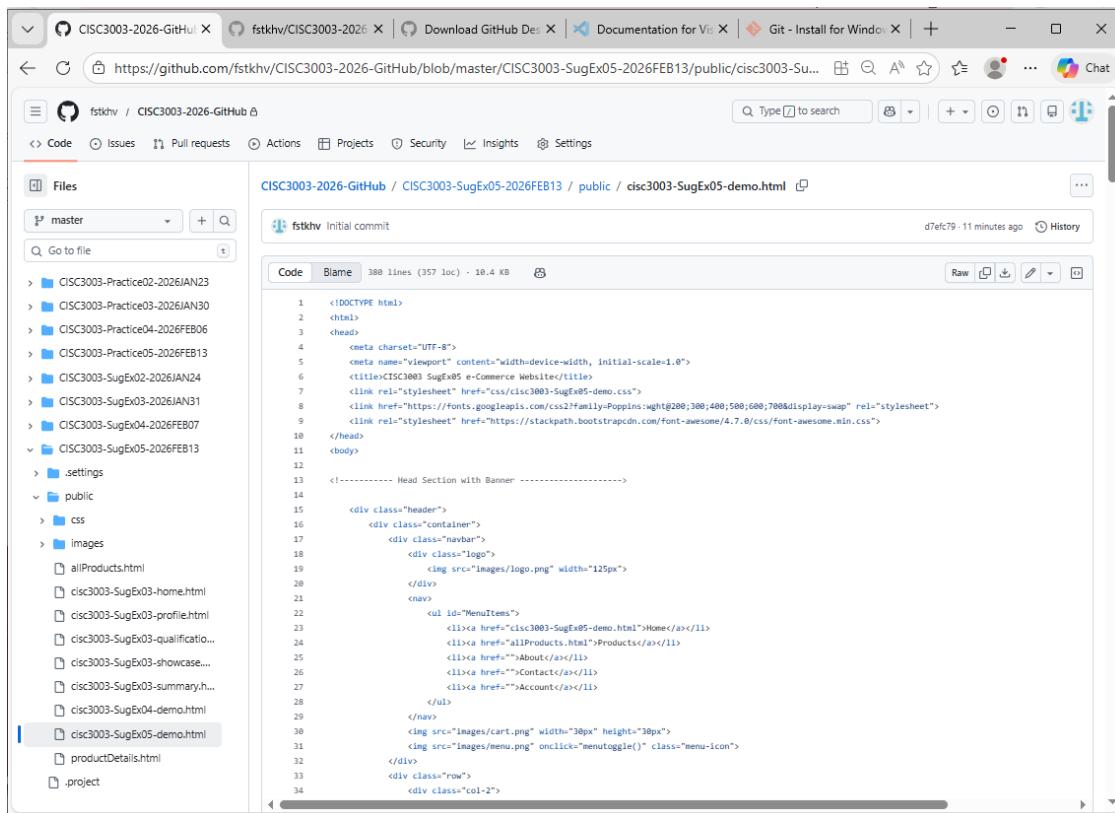
Figure 01: Your GitHub Repository Landing Page

About
GitHub Repository for CISC3003-2026
Activity: 0 stars
Watching: 0 forks
Releases: No releases published
Create a new release
Packages: No packages published
Publish your first package
Languages: HTML 81.4%, CSS 17.8%, PHP 0.8%
Suggested workflows: Based on your tech stack
Jekyll using Docker image: Configure

Figure 02: Your GitHub Suggested Exercise 05 Landing Page

Name	Last commit message	Last commit date
..		d7efc79 - 10 minutes ago
.settings	Initial commit	10 minutes ago
public	Initial commit	10 minutes ago
.project	Initial commit	10 minutes ago

Figure 03: Your GitHub Suggested Exercise 05 HTML Home Page

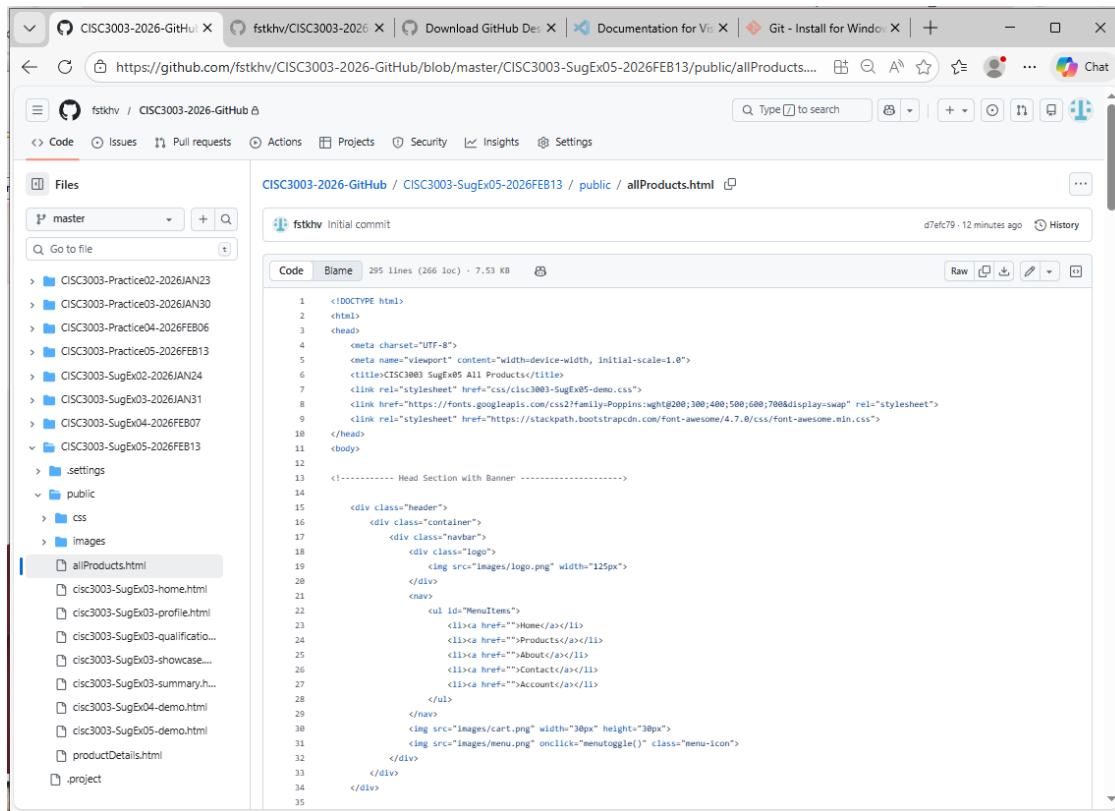


```

1  <!DOCTYPE html>
2  <html>
3  <head>
4      <meta charset="UTF-8">
5      <meta name="viewport" content="width=device-width, initial-scale=1.0">
6      <title>CISC3003 SugEx05 e-Commerce Website</title>
7      <link rel="stylesheet" href="css/cisc3003-SugEx05-demo.css">
8      <link href="https://fonts.googleapis.com/css2?family=Poppins:wght@200;300;400;500;600;700&display=swap" rel="stylesheet">
9      <link rel="stylesheet" href="https://stackpath.bootstrapcdn.com/font-awesome/4.7.0/css/font-awesome.min.css">
10 </head>
11 <body>
12
13 <!-- Head Section with Banner -->
14
15 <div class="header">
16     <div class="container">
17         <div class="navbar">
18             <div class="logo">
19                 
20             </div>
21             <nav>
22                 <ul id="MenuItems">
23                     <li><a href="cisc3003-SugEx05-demo.html">Home</a></li>
24                     <li><a href="allProducts.html">Products</a></li>
25                     <li><a href="#">About</a></li>
26                     <li><a href="#">Contact</a></li>
27                     <li><a href="#">Account</a></li>
28                 </ul>
29             </nav>
30             
31             
32         </div>
33         <div class="row">
34             <div class="col-2">

```

Figure 04: Your GitHub Suggested Exercise 05 allProducts. html Home Page



```

1  <!DOCTYPE html>
2  <html>
3  <head>
4      <meta charset="UTF-8">
5      <meta name="viewport" content="width=device-width, initial-scale=1.0">
6      <title>CISC3003 SugEx05 All Products</title>
7      <link rel="stylesheet" href="css/cisc3003-SugEx05-demo.css">
8      <link href="https://fonts.googleapis.com/css2?family=Poppins:wght@200;300;400;500;600;700&display=swap" rel="stylesheet">
9      <link rel="stylesheet" href="https://stackpath.bootstrapcdn.com/font-awesome/4.7.0/css/font-awesome.min.css">
10 </head>
11 <body>
12
13 <!-- Head Section with Banner -->
14
15 <div class="header">
16     <div class="container">
17         <div class="navbar">
18             <div class="logo">
19                 
20             </div>
21             <nav>
22                 <ul id="MenuItems">
23                     <li><a href="#">Home</a></li>
24                     <li><a href="#">Products</a></li>
25                     <li><a href="#">About</a></li>
26                     <li><a href="#">Contact</a></li>
27                     <li><a href="#">Account</a></li>
28                 </ul>
29             </nav>
30             
31             
32         </div>
33     </div>
34 </div>

```

Figure 05: Your GitHub Suggested Exercise 05 productDetails. html Home Page

```

1 <!DOCTYPE html>
2 <html>
3   <head>
4     <meta charset="UTF-8">
5     <meta name="viewport" content="width=device-width, initial-scale=1.0">
6     <title>CISC3003 SugEx05 Product Details</title>
7     <link rel="stylesheet" href="css/cisc3003-SugEx05-demo.css">
8     <link href="https://fonts.googleapis.com/css2?family=Poppins:wght@200;300;400;600;700&display=swap" rel="stylesheet">
9     <link rel="stylesheet" href="https://stackpath.bootstrapcdn.com/font-awesome/4.7.0/css/font-awesome.min.css">
10   </head>
11   <body>
12
13   <!-- Head Section with Banner -->
14
15   <div class="header">
16     <div class="container">
17       <div class="navBar">
18         <div class="logo">
19           
20         </div>
21         <nav>
22           <ul id="MenuItems">
23             <li><a href="#">Home</a></li>
24             <li><a href="#">Products</a></li>
25             <li><a href="#">About</a></li>
26             <li><a href="#">Contact</a></li>
27             <li><a href="#">Account</a></li>
28           </ul>
29         </nav>
30         
31         
32       </div>
33     </div>
34   </div>

```

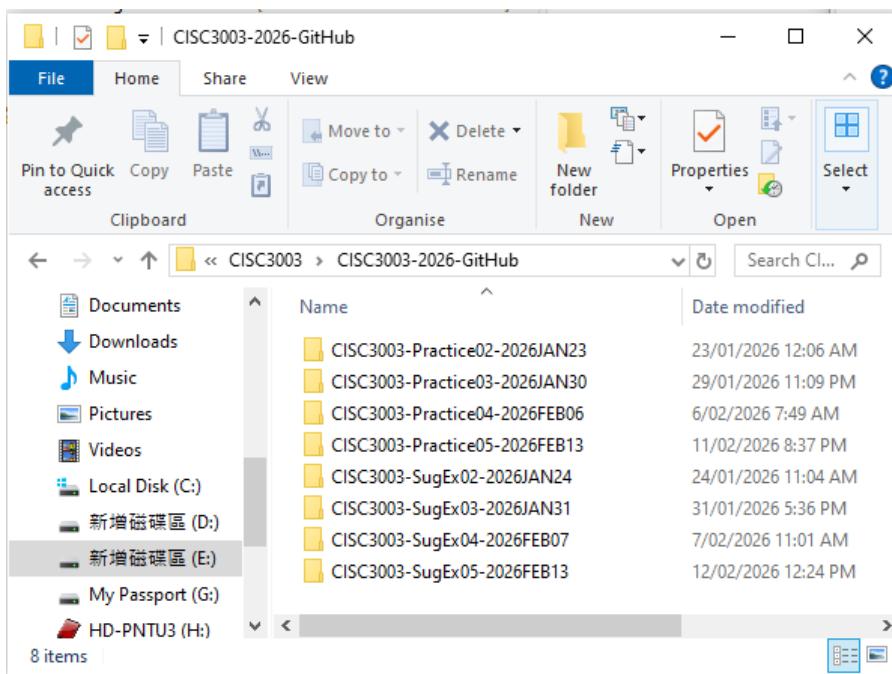
Figure 06: Your GitHub Suggested Exercise 05 CSS Home Page

```

1 /* ----- CISC3003 SugEx05 e-Commerce RedStore Style Sheet ----- */
2
3 @charset "UTF-8";
4
5 *{
6   margin:0;
7   padding:0;
8   box-sizing: border-box;
9 }
10
11 body{
12   font-family: 'Poppins', sans-serif;
13 }
14
15 .navBar{
16   display: flex;
17   align-items: center;
18   padding: 20px;
19 }
20
21 nav{
22   flex: 1;
23   text-align: right;
24 }
25
26 nav ul{
27   display: inline-block;
28   list-style-type: none;
29 }
30
31 nav ul li{
32   display: inline-block;
33   margin-right: 20px;
34 }
35
36 a{
37   text-decoration: none;
38   color: #555;
39 }
40
41 p{
42   color: #555;
43 }
44
45 .container{

```

Figure 07: Your Local Repository View



Submission - Suggested Exercise 05

1. Zip the folder (Eclipse project space for Suggested Exercise 05) "CISC3003-SugEx05-2026FEB13" and name it "CISC3003-SugEx05-studentID.zip" (note the ".zip" extension is not part of the name | Do not use ".rar" format, but the ".zip" format)
2. Submit your zipped file "CISC3003-SugEx05-studentID.zip" at [CISC3003 Submission Link for Suggested Exercise 05 - Due: 2026FEB22 11:00 pm](#)
3. Show the listings and rendered images of your HTML files renamed as "CISC3003-SugEx05-studentID.html", "CISC3003-SugEx05-AllProducts-studentID.html", and "CISC3003-SugEx05-ProductDetails-studentID.html" in the forum [CISC3003 Personal Discussion Forum of Suggested Exercise 05 - Week 05](#).
4. Show the listing of your CSS file renamed as "CISC3003-SugEx05-studentID.css" in the forum [CISC3003 Personal Discussion Forum of Suggested Exercise 05 - Week 05](#).
5. Complete a self-assessment of your completed Suggested Exercise 05 by creating a thread called "My Self-Assessment of Suggested Exercise 05" at your personal forum using the assessment rubric at [\(CISC3003 Assessment Rubric for Suggested Exercise 05\)](#) before your submission of the Suggested Exercise 05 at the submission link: [CISC3003 Submission Link for Suggested Exercise 05 - Due: 2026FEB22 11:00 pm](#). Without submitting your self-assessment, your grade for this bonus coursework item will be defaulted to ZERO.

Note - Honest Practice for Self-Assessment

- Student completion of Self-Assessment must be done on an honest basis. Any violation of the trust by the student to claim score(s) not supported by solid work done will result in an immediate score of ZERO for the related coursework item without further negotiation. This should consume the credibility of the student concerned, and his or her name would be blacklisted for disciplinary actions.
- If the student were to submit his or her Self-Assessment in any coursework concerned without heeding the advice of this *Honesty Practice for Self-Assessment*, his or her action would be considered as equivalent to an act of cheating according to [UM Rules on Handling Student Academic Dishonesty](#). So, please proceed to your Self-Assessment with cautions, and be aware of the accountable consequences you need to bear.

Eclipse Project Space Images

Figure 08: Eclipse Project Space for Suggested Exercise 05 - Home Page

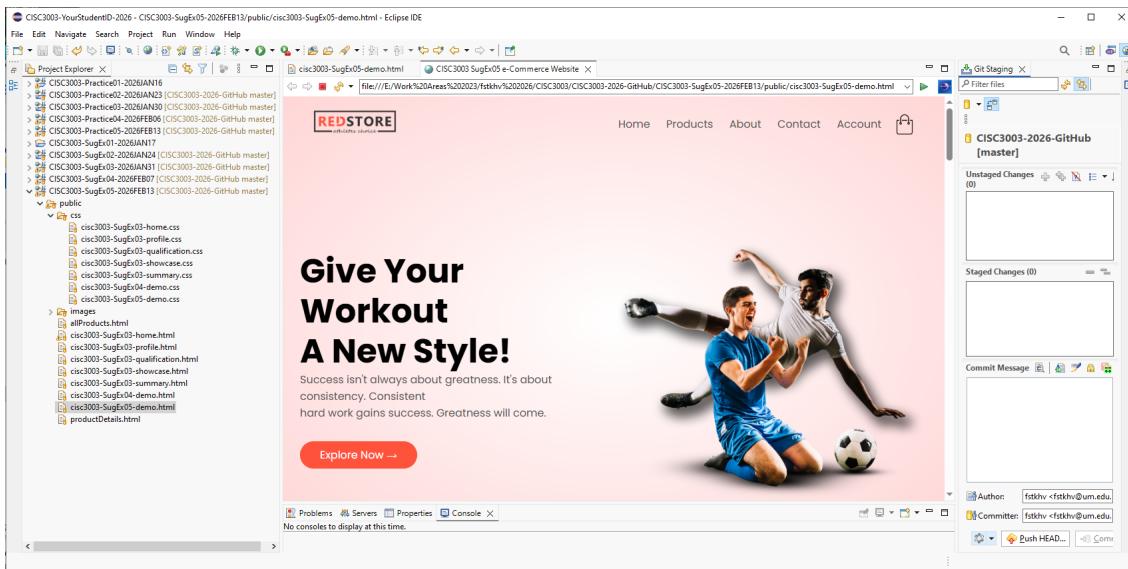


Figure 09: Eclipse Project Space for Suggested Exercise 05 - All Products Page

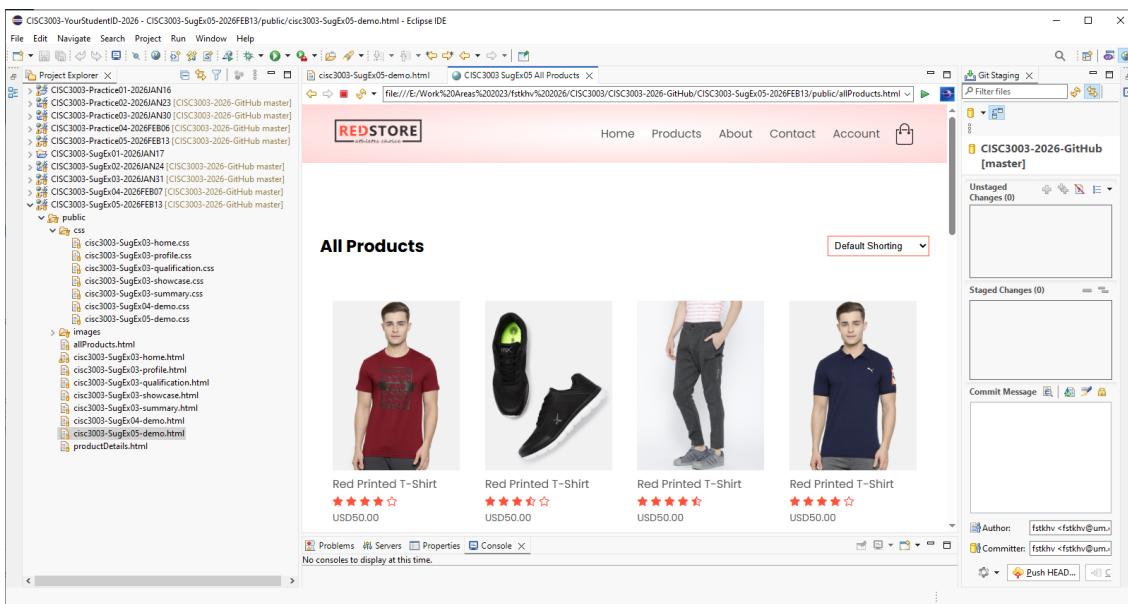


Figure 10: Eclipse Project Space for Suggested Exercise 05 - Single Product Details Page (Eclipse Internal Browser view)

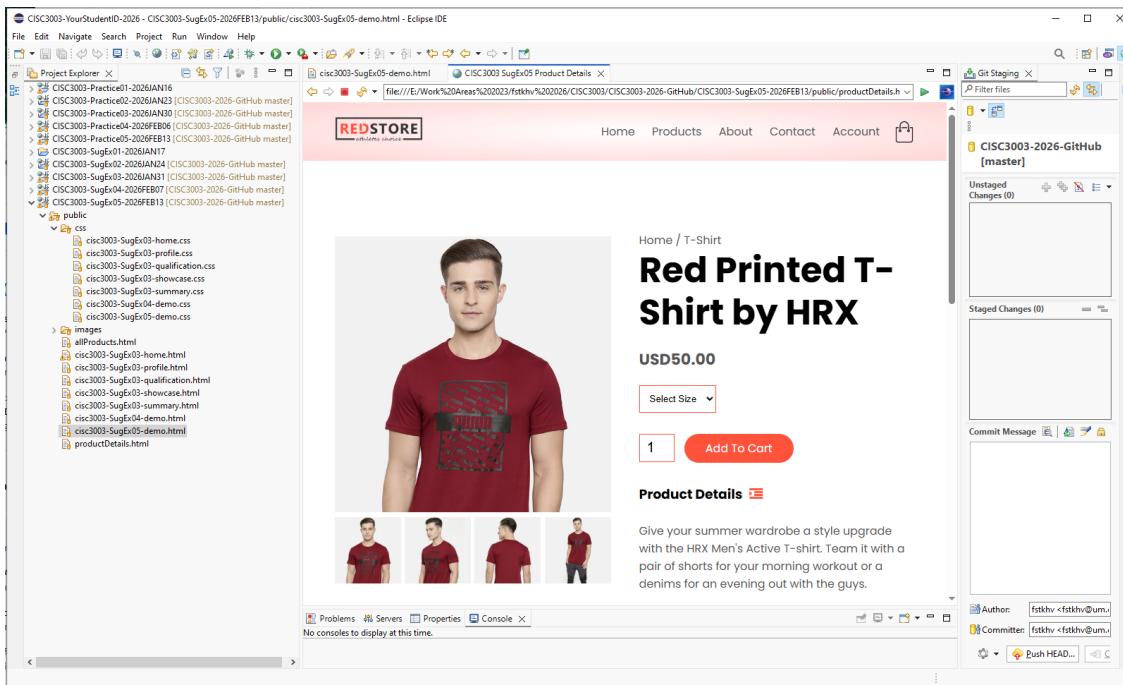


Figure 11: External Browser View for Suggested Exercise 05 - Single Product Details Page (Chrome)

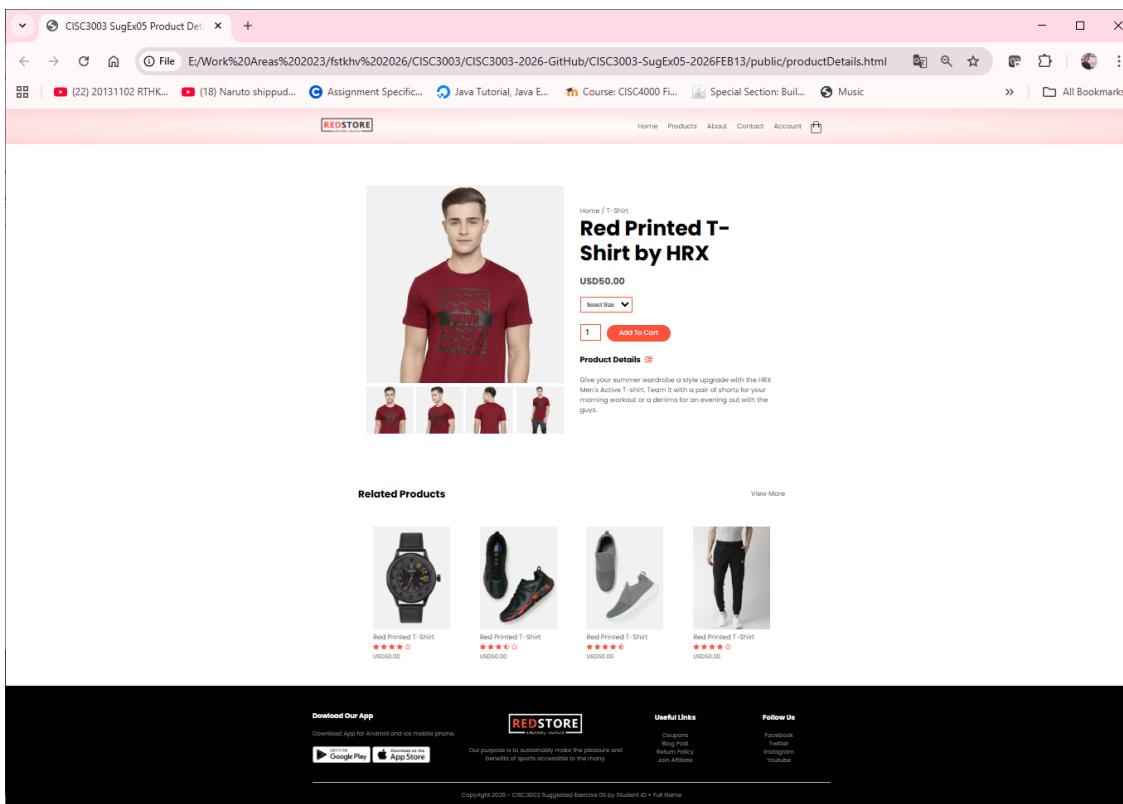
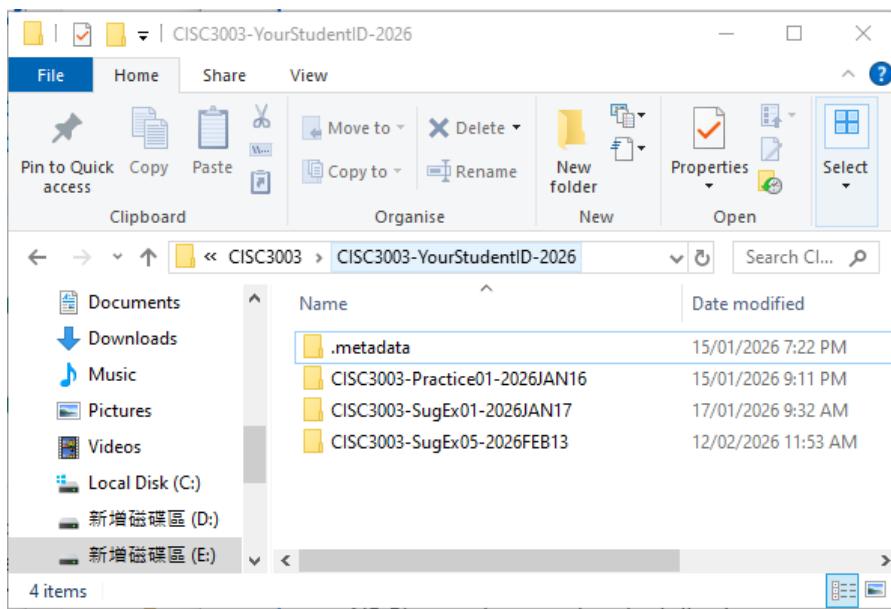


Figure 12: Folder View of Suggested Exercise 06 Eclipse Project (before commit and push to remote Repository)



Related Resources

- [HTML Tutorial - W3School](#)
- [CSS Tutorial - W3School](#)
- [Learn HTML by making this super simple website](#)
- [How to layout and design a website \(without any design skills!\)](#)
- [How to Properly Layout A Website \(For Beginners\)](#)
- [Build a responsive website layout with flexbox \(Step-by-step guide\)](#)
- [Super simple Gulp tutorial for beginners](#)
- [Learn HTML in 15 minutes as an Absolute Beginner](#)
- [Learn CSS in 15 minutes as an Absolute Beginner](#)
- [Build a Complete Personal Portfolio Website Using Only HTML And CSS | Pure HTML And CSS](#)

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