

# Coding Exercise

Salesforce Developer

# Org Setup

1. Create a dev org <https://developer.salesforce.com/signup>
2. Create a user for Shift7\_Technical\_Review@shift7digital.com
3. Enable digital experiences within the org to setup a new community.

The screenshot shows the Salesforce Settings page with a search bar at the top containing 'digit'. The left sidebar has sections for Feature Settings, Digital Experiences (which is expanded), and Settings. A message at the bottom of the sidebar says 'Didn't find what you're looking for? Try using Global Search.' The main content area is titled 'Experiences' and includes a sub-section 'Enable Digital Experiences' with a checked checkbox for 'Enable Digital Experiences'. Below this is a 'Domain preview' section where it says 'Your org's My Domain name is the subdomain for any site you create.' It shows 'Your Experience Cloud sites domain shift7digital-c-dev-ed.develop.my.site.com' and lists 'Sample Experience URLs': shift7digital-c-dev-ed.develop.my.site.com/customers, shift7digital-c-dev-ed.develop.my.site.com/developers, and shift7digital-c-dev-ed.develop.my.site.com/partners. There is a 'Save' button at the bottom right of this section.

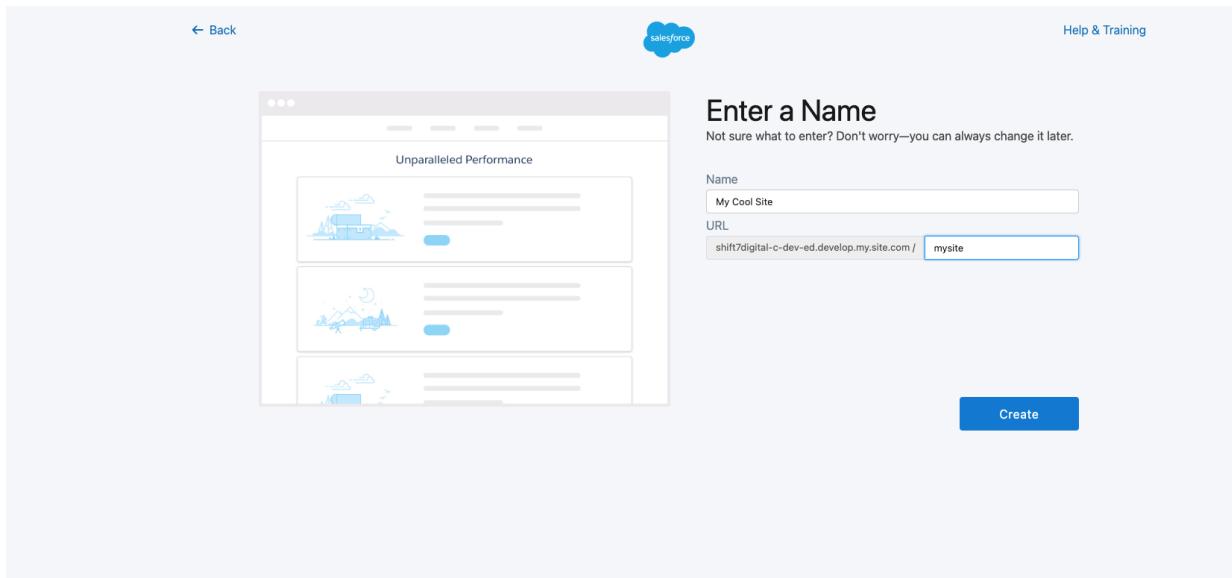
3. Once digital experiences have been enabled, click new and select the Build Your Own (LWR) template.

The screenshot shows the 'Choose the Experience You Love' page. At the top, there are links for 'Back to Setup', the Salesforce logo, and 'Help & Training'. Below this is a heading 'Choose the Experience You Love' with a sub-instruction 'Browse by: All Marketing Sales Service Commerce'. Three template cards are displayed:

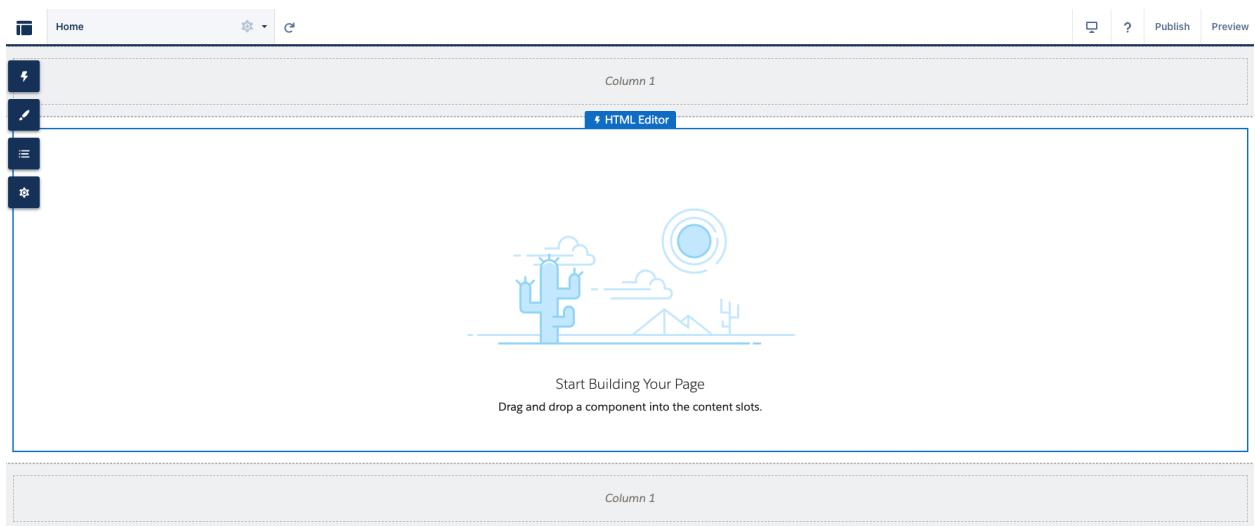
- Microsite (LWR)** by Salesforce: Shows a thumbnail of a medical-themed microsite and text about simplified lead capture.
- Build Your Own (LWR)** by Salesforce: Shows a thumbnail of a performance-based landing page and text about unparalleled performance and standards-based customization.
- B2C Commerce (LWR)** by Salesforce: Shows a thumbnail of an e-commerce store and text about live search, product filtering, and Einstein Product Recommendations.

At the bottom, there are links for 'Help Center', 'Customer Account Portal', and 'Customer Service'.

4. Give your site a name and create it.

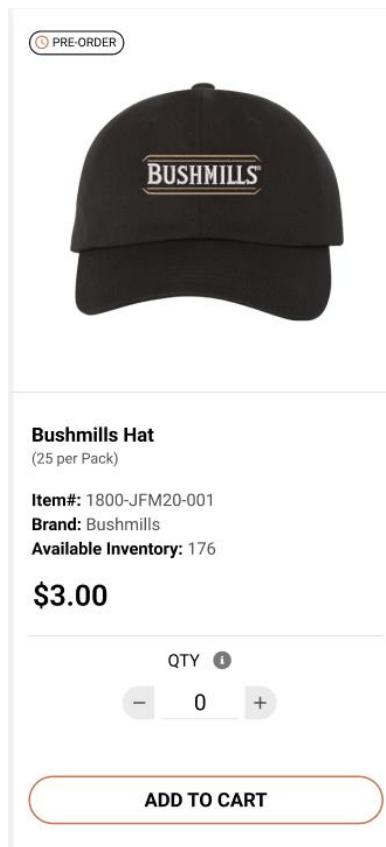


5. Once your site is created click on the Builder tile. This will be where you will be able to create and publish your site.
6. It should look like this to start.



## Component Creation Task

Your task is to create a custom Lightning Web Component (LWC) that will display a product card with information about the product. A mockup of what your card should look like can be found below. You can reference the Figma design file provided in the LWC Front-End specification at the bottom of this document.



### **Your component should be able to do the following:**

1. Connect to an Apex controller to return the product data from the Product2 record you created. This should be a combination of existing fields and custom fields.
2. The Apex controller should return a price for the product that is stored in a PricebookEntry record within a price book.
3. Only show the Pre-Order badge if a flag on the Product2 record is set to true.
4. The Qty input field should be functional to increase or decrease by clicking the plus or minus buttons.
5. The Add to Cart button should just throw a toast notification saying that the product (by name) was successfully added to the cart.

# LWC Front-End

**Design is provided here:**

<https://www.figma.com/file/zgCE6sBh5OQVvQTSonJZPt/Shift7-Developer-Candidate-Exercise--PLP-Card?node-id=0%3A1&t=hGKpy0qP1HpSBIWg-0>

**Font is provided here:**

<https://fonts.google.com/specimen/Roboto>

**Important Notes:**

- Reference the design guide
- Pixel perfection is not required but keep design integrity.
- Tooltip information can be “lorem ipsum” and can use SLDS default.

**Final Notes:**

The things we will be looking at most closely are code organization, functional implementation, and overall technical approach. Once completed with this exercise you should expect to discuss approach, architectural decisions, and general ideas around the exercise.

**Please ensure you are including your test classes for review as well.**