



BS-Software Engineering

Software Development & Construction

Prompts

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Project Title: Cloud Based E – Commerce Platform



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First prompt to remove extract feature that can delete our architecture with 50\$ limit

The screenshot shows the Google AI Studio interface. On the left sidebar, there are several options like Home, Playground, Build, Dashboard, and Documentation. The main area displays a document titled "AWS Learner Lab Budgeting Guide". The document contains a "Semester Project Proposal" section with details about the instructor, teaching assistant, group members, and selected scenario. It also features an "Architecture Diagram" which is a complex flowchart of a microservices-based E-commerce platform. A PDF file named "SDC_Project_Proposal.pdf" is attached to the document, with a note indicating it contains 1,121 tokens.

i want to make this in aws learner lab which has 50 dollar limit .please guide me each step in detail

Ans:

The screenshot shows the Google AI Studio interface. The main area displays a document titled "AWS Learner Lab Budgeting Guide". The document starts with a warning: "However, there is a major conflict between this architecture and the AWS Learner Lab \$50 limit." It then provides a section titled "Crucial Warning Before You Start" which lists services that will deplete the budget quickly. It also includes a section titled "The \"Learner Lab Friendly\" Implementation Plan" which suggests building a "Serverless" version of the architecture to stay under budget.

Start typing a prompt

Setup our commertools

Google AI Studio

AWS Learner Lab Budgeting Guide tokens

To search and filter your products and product type lists, a one-time indexing is needed. This action can take some time, but you can keep using the Merchant Center while it runs. Note: The indexing is required after 30 days of search activity.

Import Report

Customer ID	Customer Name	Email	Created At	Updated At
1	Leanne	Leanne.douglas@com	2023/05/01 9:16 PM	2023/05/01 9:16 PM
2	Sandra	Walter.douglas@com	2023/05/01 9:16 PM	2023/05/01 9:16 PM
3	Brian	Elma.douglas@com	2023/05/01 9:16 PM	2023/05/01 9:16 PM
4	James	Ursula.douglas@com	2023/05/01 9:16 PM	2023/05/01 9:16 PM

Model

Thoughts

Expand to view model thoughts

Great job getting the Commercetools project set up! I see you have the `shopswift-project` created and some sample customer data populated.

Now we need to get the API Keys so your AWS Lambda function can talk to this dashboard.

Follow these exact steps from your current screen:

Start typing a prompt

Run Ctrl ←

Google AI Studio

AWS Learner Lab Budgeting Guide tokens

3. **Scopes (Permissions):** Since this is a student project, just select the **Admin** template.
o Why? It gives full permission so you won't get stuck with "Access Denied" errors while testing.
4. Click **Create API Client**.

Step 3: ⚠️ IMPORTANT - Save the Credentials

Once you create it, a screen will pop up with your keys. **You will only see these ONCE.**

Copy these 3 specific values into a Notepad file on your computer right now:

1. `project_key` (It should be `shopswift-project`)
2. `client_id`
3. `client_secret`
4. (Optional) `region` OR `API URL` (e.g., `us-central1.gcp.commercetools.com`)

Step 4: Verify Product Data

Your screenshot shows the **Customers** list. Before we move to AWS, make sure you have **Products** to display on your website.

1. Click the **Products** icon in the left sidebar (it looks like a price tag, 4th icon from the top).
2. If the list is empty, click **Add product** and create 2 dummy items (e.g., "Red T-Shirt", "Blue Jeans") with a price.

Once you have the API Keys saved and at least one product created, reply here, and we will move to the AWS Console to write the Python code.

Start typing a prompt

Run Ctrl ←

In this command we choose our language for website

The screenshot shows the Google AI Studio interface. On the left, there's a sidebar with navigation links like Home, Playground, Build, Dashboard, Documentation, and a user profile. The main area has a title "AWS Learner Lab Budgeting Guide". It contains a section titled "Thoughts" with a note about PDF architecture. Below it, a list of conflicts is shown:

- PERN stands for Postgres, Express, React, Node.
- Your PDF Project requires Commercetools (for products) and DynamoDB (for users).
- Your Budget is \$50. Running a PostgreSQL database (RDS) on AWS is expensive and will eat your budget quickly.

Under "The Solution:", it says they will build an "RN" stack instead of PERN. A "Step 1: Set Up the React Project (Frontend)" section follows, with instructions to build locally. A code editor window is open at the bottom, showing a JavaScript file with placeholder keys:

```
// src/commercetools-client.js
import {
  ClientBuilder,
  createAuthForClientCredentialsFlow,
  createHttpMiddleware,
} from '@commercetools/sdk-client-v2';
import { createApiClientFromCtpClient } from '@commercetools/platform-sdk';

// 1. FILL IN YOUR KEYS HERE
const projectKey = 'shopswift-project'; // From your screenshot
const clientId = 'YOUR_CLIENT_ID';
const clientSecret = 'YOUR_CLIENT_SECRET';
const authUrl = 'https://auth.us-central1.gcp.commercetools.com'; // Check your region URL
const apiUrl = 'https://api.us-central1.gcp.commercetools.com'; // Check your region URL

// 2. Setup Auth Middleware
const authMiddleware = createAuthForClientCredentialsFlow({
```

This screenshot shows the same Google AI Studio interface as the previous one, but the main area now displays a code editor. The title is still "AWS Learner Lab Budgeting Guide". The code editor contains the same placeholder JavaScript file as the previous screenshot, with syntax highlighting for the code blocks.

Step by step app development with solving error

This screenshot shows the Google AI Studio interface for a project titled "AWS Learner Lab Budgeting Guide". The sidebar on the left includes links for Home, Playground (selected), Build, Dashboard, Documentation, and Let it snow. The main area displays the AI's output: "this is output make it more impressive and make different tabs like add to cart". Below this, under the "Model" section, there is a "Thoughts" panel with the message "Expand to view model thoughts". The AI also provides feedback: "This is a huge improvement! You have the data flowing." and "The reason you see "Unknown Product" is likely because Commercetools uses specific language codes (like en-US instead of just en), or the product name is hidden inside a specific object." It further states "I have rewritten the code to:" followed by two numbered steps: "1. Fix the Name Issue: It will now look for *any* English name available." and "2. Make it "Impressive": Added a modern Navbar, a grid layout, and hover effects."

This screenshot shows the Google AI Studio interface for a project titled "AWS Learner Lab Budgeting Guide". The sidebar on the left includes links for Home, Playground (selected), Build, Dashboard, Documentation, and Let it snow. The main area displays a "JavaScript" panel with the heading "Step 2: Replace src/App.css". The AI notes: "This adds the "Impressive" styling. It uses a clean color palette (Dark Blue & Orange), shadows, and a grid system." Below this is a "CSS" panel containing the following code:

```
/* General Reset */
body {
  margin: 0;
  font-family: 'Segoe UI', Tahoma, Geneva, Verdana, sans-serif;
  background-color: #f4f7f6;
  color: #333;
}

/* Navbar Styling */
.navbar {
  display: flex;
  justify-content: space-between;
  align-items: center;
  background-color: #2c3e50;
  padding: 1rem 2rem;
  color: white;
```

Order issue:

Google AI Studio

AWS Learner Lab Budgeting Guide 246,485 tokens

Orders - New (1)

All filters + search by email, first or last name, enter marketplace SKU, etc.

Import / Export

Order number	Date placed	Quantity	Order status	Paid	Shipped	Downloaded	Reviewed	Last updated
C702069100	8/12/2023 8:19 PM	0	Confirmed	Balance due	Block order	https://marketplace.amazon.com	12/10/2023 8:19 PM	12/10/2023 8:19 PM
C702069101	8/12/2023 8:19 PM	3	Completed	Paid	Delivered	Carrie.McCormick@amazon.com	12/10/2023 8:19 PM	12/10/2023 8:19 PM
C702069102	8/12/2023 8:19 PM	3	Completed	Pending	Pending	https://marketplace.amazon.com	12/10/2023 8:19 PM	12/10/2023 8:19 PM

i donot see any order that i place

Model

Thoughts

Expand to view model thoughts

The reason you do not see the orders in the Commercetools Dashboard is that the code I gave you earlier was in "Simulation Mode".

Google AI Studio

AWS Learner Lab Budgeting Guide 246,485 tokens

User

ShopSwift

Checkout

Checkout (2000 ms)

Locally 2000 ms

ShopSwift is a local delivery service that offers fast and reliable delivery for your online shopping needs. Order now and get free delivery on all orders over \$50.

Full Name: Muhammad Naseem

Email Address: usamz2000@gmail.com

Shipping Address: 22 3

Items: 0

Total to Pay: \$0.00

Processing

Place Order

Model

Thoughts

Expand to view model thoughts

This error occurs because your Code is being **too strict** compared to your Data.

* Let it know

The screenshot shows the Google AI Studio interface. On the left, there's a sidebar with options like Home, Playground (which is selected), Cost Warning For \$50 Limit, CampusCart Business Plan Ass..., Auto Scaling Lab Commands, Explaining CNN's Black Box, Optimized ResNet-18 Architect..., View all history, Build, Dashboard, Documentation, Let it snow, Get API key, Settings, and an email link. The main area has tabs for AWS Learner Lab Budgeting Guide (selected) and 246,485 tokens. A modal window titled "Checkout" is open, showing fields for Name (human) and Address (etc.), a total of \$1999600.00, and an "Ok" button. Below the modal, a message from a user reads: "please check it i set all prices according to your admin account i canot plase order also check mycss in cart and place order . please also add this in admin and also make me able to upload image ,name ,price of product". In the bottom right corner of the main area, there's a "Run Ctrl ←" button.

Error due to my nat gateway:

The screenshot shows the Google AI Studio interface. The main area displays a browser window with a dark theme. The address bar shows "https://42.10.1.196". The page content includes a cloud icon and the text "Hmmm... can't reach this page". Below that, it says "54.210.1.176 took too long to respond" and "Try:". Under "Try:", there are two items: "Checking the connection" and "Checking the proxy and the firewall". At the bottom of the browser window, there are "Refresh" and "Cancel" buttons. Below the browser window, the sidebar shows the "Model" section, which includes a "Thoughts" tab and a "Expand to view model thoughts" button. At the bottom of the main area, a message reads: "The reason you are seeing "took too long to respond" is visible in your browser's address bar: you are trying to use <https://>".

User

if i want to make ec2 manually what are step and my website use all feature in diagram



Model

◆ Thoughts

Expand to view model thoughts



To make an EC2 manually while ensuring it uses **every feature** in your diagram (S3, Aurora, Secrets Manager, NAT Gateway, and IAM Role), follow these steps.

Since you are in a Learner Lab, we will use the existing `LabRole` and `LabInstanceProfile` so the EC2 has permission to talk to S3 and Secrets Manager.

Step 1: Get your IDs (The Setup)

Run this to make sure your terminal knows your current VPC and Security Group: