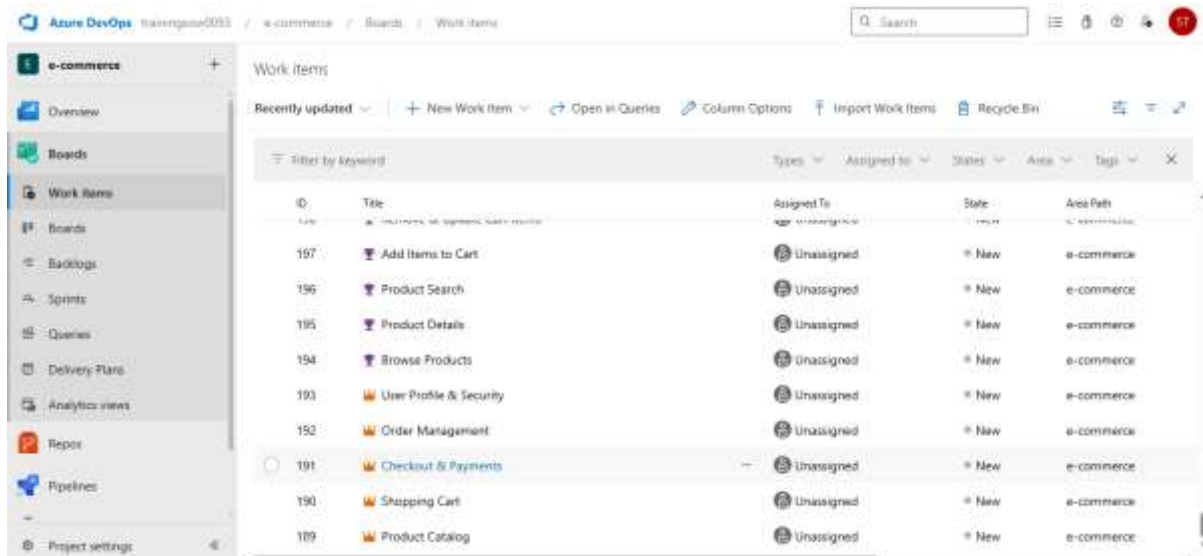


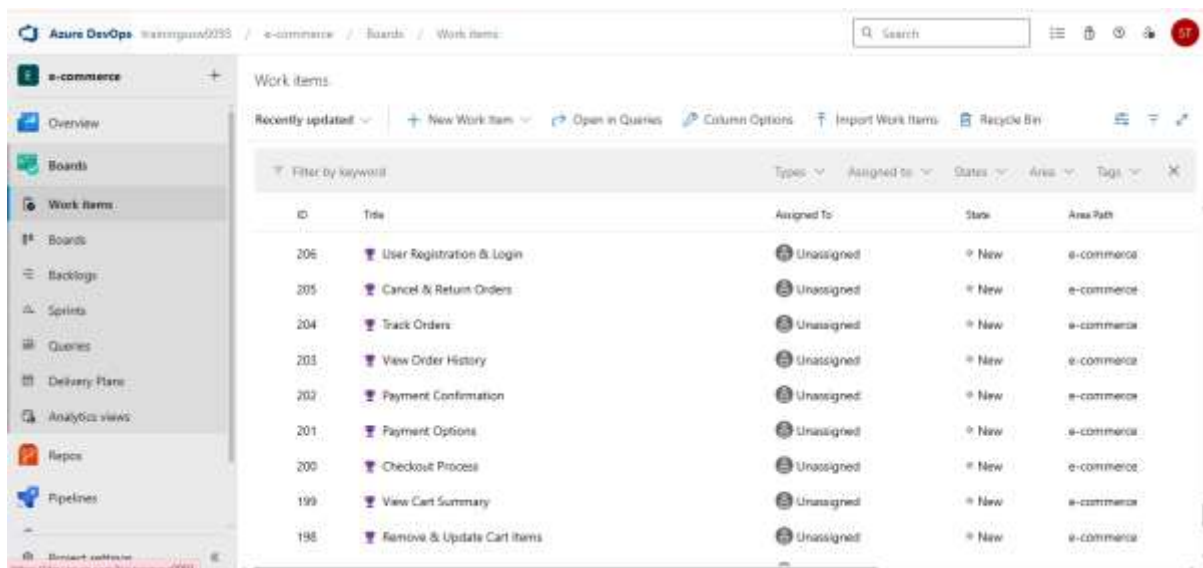
AZURE DEVOPS ASSESSMENT-2

E-COMMERCE APPLICATION

PART 1 – Work Item Breakdown



ID	Title	Assigned To	State	Area Path
197	Add Items to Cart	Unassigned	New	e-commerce
196	Product Search	Unassigned	New	e-commerce
195	Product Details	Unassigned	New	e-commerce
194	Browse Products	Unassigned	New	e-commerce
193	User Profile & Security	Unassigned	New	e-commerce
192	Order Management	Unassigned	New	e-commerce
191	Checkout & Payments	Unassigned	New	e-commerce
190	Shopping Cart	Unassigned	New	e-commerce
189	Product Catalog	Unassigned	New	e-commerce



ID	Title	Assigned To	State	Area Path
206	User Registration & Login	Unassigned	New	e-commerce
205	Cancel & Return Orders	Unassigned	New	e-commerce
204	Track Orders	Unassigned	New	e-commerce
203	View Order History	Unassigned	New	e-commerce
202	Payment Confirmation	Unassigned	New	e-commerce
201	Payment Options	Unassigned	New	e-commerce
200	Checkout Process	Unassigned	New	e-commerce
199	View Cart Summary	Unassigned	New	e-commerce
198	Remove & Update Cart Items	Unassigned	New	e-commerce

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Work items

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Filter by keyword Types Assigned to Status Area Tags

ID	Title	Assigned To	Status	Area Path
215	Add a Product to Cart	Unassigned	New	e-commerce
214	Search Products by Brand	Unassigned	New	e-commerce
213	Search Products by Name	Unassigned	New	e-commerce
212	View Product Images	Unassigned	New	e-commerce
211	View Product Specifications	Unassigned	New	e-commerce
210	Filter Products by Category	Unassigned	New	e-commerce
209	View All Products	Unassigned	New	e-commerce
208	Security Enhancements	Unassigned	New	e-commerce
207	Manage User Profile	Unassigned	New	e-commerce

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Filter by keyword Types Assigned to Status Area Tags

ID	Title	Assigned To	Status	Area Path
224	Pay via UPI or Wallet	Unassigned	New	e-commerce
223	Pay via Credit/Debit Card	Unassigned	New	e-commerce
222	Choose Delivery Option	Unassigned	New	e-commerce
221	Enter Shipping Address	Unassigned	New	e-commerce
220	Display Number of Items in Cart	Unassigned	New	e-commerce
219	View Total Cart Value	Unassigned	New	e-commerce
218	Update Product Quantity in Cart	Unassigned	New	e-commerce
217	Remove Items from Cart	Unassigned	New	e-commerce
216	Show Confirmation After Adding Item	Unassigned	New	e-commerce

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Filter by keyword Types Assigned to Status Area Tags

ID	Title	Assigned To	Status	Area Path
233	Register New User	Unassigned	New	e-commerce
232	Request Product Return	Unassigned	New	e-commerce
231	Cancel Order Before Shipping	Unassigned	New	e-commerce
230	Receive Order Delivery Notifications	Unassigned	New	e-commerce
229	Track Current Order Status	Unassigned	New	e-commerce
228	View Order Details	Unassigned	New	e-commerce
227	View Past Orders	Unassigned	New	e-commerce
226	Send Payment Confirmation Email	Unassigned	New	e-commerce
225	Display Payment Success Screen	Unassigned	New	e-commerce

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Filter by keyword: Types Assigned to States Area Tags

ID	Title	Assigned To	State	Area Path
242	Implement Pagination	Unassigned	New	e-commerce
241	Integrate API with UI	Unassigned	New	e-commerce
240	Develop Products API	Unassigned	New	e-commerce
239	Design Products Listing Page	Unassigned	New	e-commerce
238	Secure Sensitive Data	Unassigned	New	e-commerce
237	Enable Two-Factor Authentication	Unassigned	New	e-commerce
236	Change Password	Unassigned	New	e-commerce
235	Update Profile Information	Unassigned	New	e-commerce
234	Login with Email & Password	Unassigned	New	e-commerce

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Filter by keyword: Types Assigned to States Area Tags

ID	Title	Assigned To	State	Area Path
251	Enable Zoom & Preview Options	Unassigned	New	e-commerce
250	Optimize Images for Performance	Unassigned	New	e-commerce
249	Add Product Image Gallery	Unassigned	New	e-commerce
248	Display Specifications in UI	Unassigned	New	e-commerce
247	Fetch Product Data from API	Unassigned	New	e-commerce
246	Design Product Details Page	Unassigned	New	e-commerce
245	Implement Filter Logic on Frontend	Unassigned	New	e-commerce
244	Update API to Support Filters	Unassigned	New	e-commerce
243	Add Category Filter UI	Unassigned	New	e-commerce
242	Implement Pagination	Unassigned	New	e-commerce

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Work items

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Filter by keyword: Types Assigned to States Area Tags

ID	Title	Assigned To	State	Area Path
260	Update Cart Data in Database	Unassigned	New	e-commerce
259	Develop Remove-Item API	Unassigned	New	e-commerce
258	Add Remove Button in Cart	Unassigned	New	e-commerce
257	Sync Cart Data with Database	Unassigned	New	e-commerce
256	Update Cart Item Count Dynamically	Unassigned	New	e-commerce
255	Display Confirmation Popup	Unassigned	New	e-commerce
254	Update Cart Database	Unassigned	New	e-commerce
253	Create Add-to-Cart API	Unassigned	New	e-commerce
252	Design "Add to Cart" Button	Unassigned	New	e-commerce

https://dev.azure.com/trainingnow093/e-commerce/_deliveryplans/plans

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Filter by keyword

ID	Title	Assigned To	State	Area Path
269	Sync Item Count with UI	Unassigned	New	e-commerce
268	Fetch Cart Item Count from API	Unassigned	New	e-commerce
267	Add Item Counter in Cart Icon	Unassigned	New	e-commerce
266	Update Total on Quantity Change	Unassigned	New	e-commerce
265	Calculate Cart Total Dynamically	Unassigned	New	e-commerce
264	Design Cart Summary Section	Unassigned	New	e-commerce
263	Sync Cart Updates with UI	Unassigned	New	e-commerce
262	Develop Update Quantity API	Unassigned	New	e-commerce
261	Create Quantity Selector	Unassigned	New	e-commerce

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Filter by keyword

ID	Title	Assigned To	State	Area Path
279	Add Unassigned rightmost property	Unassigned	New	e-commerce
278	Validate Card Details	Unassigned	New	e-commerce
277	Integrate Payment Gateway API	Unassigned	New	e-commerce
276	Design Payment Form	Unassigned	New	e-commerce
275	Display Estimated Delivery Date	Unassigned	New	e-commerce
274	Update API to Handle Delivery Choices	Unassigned	New	e-commerce
273	Create Delivery Options	Unassigned	New	e-commerce
272	Save Address Data in Database	Unassigned	New	e-commerce
271	Validate Address Fields	Unassigned	New	e-commerce
270	Design Address Input Form	Unassigned	New	e-commerce

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Filter by keyword

ID	Title	Assigned To	State	Area Path
288	Design Order History Page	Unassigned	New	e-commerce
287	Trigger Email on Payment Success	Unassigned	New	e-commerce
286	Integrate Email Service	Unassigned	New	e-commerce
285	Create Email Notification Template	Unassigned	New	e-commerce
284	Display Transaction Summary	Unassigned	New	e-commerce
283	Fetch Payment Details from API	Unassigned	New	e-commerce
282	Design Payment Success Page	Unassigned	New	e-commerce
281	Validate Payment Responses	Unassigned	New	e-commerce
280	Connect UPI/Wallet APIs	Unassigned	New	e-commerce
279	Integrate API/Wallet Payment Option	Unassigned	New	e-commerce

https://dev.azure.com/trainingnow0093/e-commerce/_workitems/edit/281

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297	Create Notification Service	Unassigned	New	e-commerce
296	Display Real-Time Tracking Status	Unassigned	New	e-commerce
295	Integrate Order Tracking API	Unassigned	New	e-commerce
294	Add Tracking Section in Orders Page	Unassigned	New	e-commerce
293	Display Product & Payment Info	Unassigned	New	e-commerce
292	Fetch Order Info via API	Unassigned	New	e-commerce
291	Create Order Details Page	Unassigned	New	e-commerce
290	Display Order Details in UI	Unassigned	New	e-commerce
289	Fetch Orders from Database	Unassigned	New	e-commerce

dev.azure.com/trainingnow0093/e-commerce/_workitems/recentlyupdated/

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Assigned to

Status

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Tags

ID	Title	Assigned To	Status	Area Path
306	Design Registration Page	Unassigned	New	e-commerce
305	Update Return Status in UI	Unassigned	New	e-commerce
304	Create Return Request API	Unassigned	New	e-commerce
303	Design Product Return Form	Unassigned	New	e-commerce
302	Update Order Status in Database	Unassigned	New	e-commerce
301	Develop Cancel Order API	Unassigned	New	e-commerce
300	Add Cancel Button in Orders Page	Unassigned	New	e-commerce
299	Send Delivery Updates to Users	Unassigned	New	e-commerce
298	Configure Push Notifications	Unassigned	New	e-commerce

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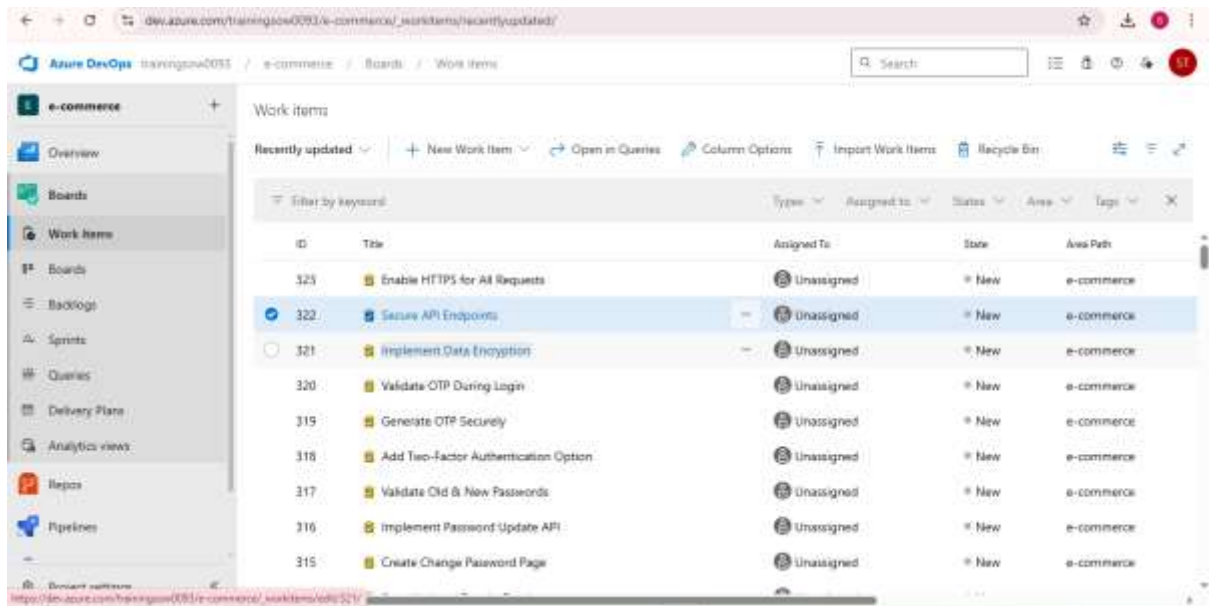
Assigned to

Status

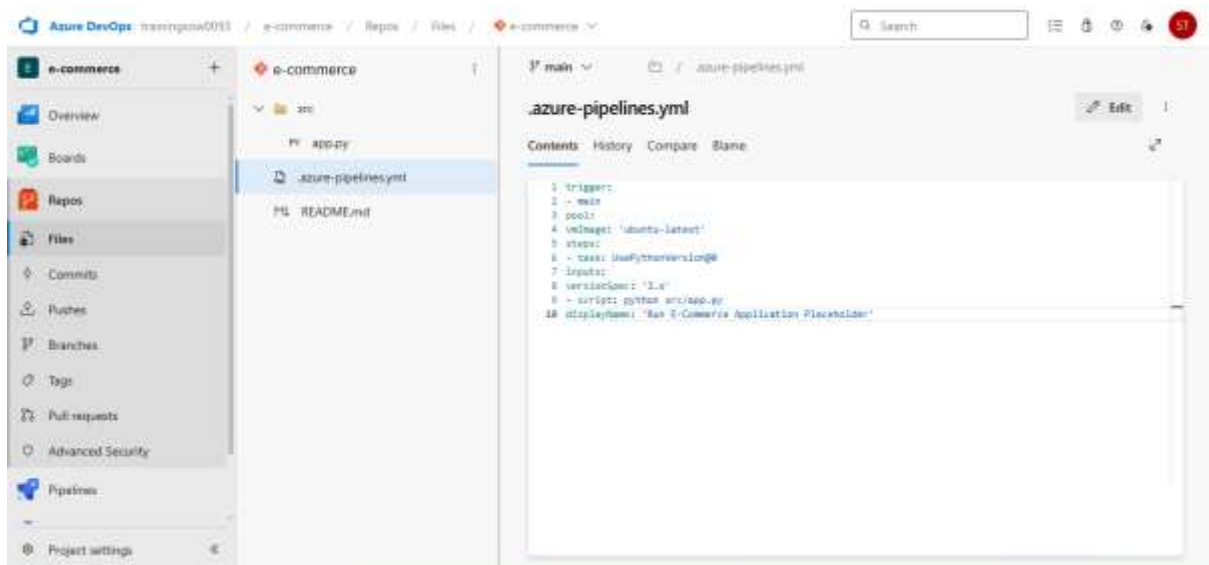
Area

Tags

ID	Title	Assigned To	Status	Area Path
316	Implement Password Update API	Unassigned	New	e-commerce
315	Create Change Password Page	Unassigned	New	e-commerce
314	Save Updated Data in Database	Unassigned	New	e-commerce
313	Develop Profile Update API	Unassigned	New	e-commerce
312	Design Profile Update Form	Unassigned	New	e-commerce
311	Implement Session Management	Unassigned	New	e-commerce
310	Build Authentication API	Unassigned	New	e-commerce
309	Create Login Page	Unassigned	New	e-commerce
308	Save User Details in Database	Unassigned	New	e-commerce
307	Create User Registration API	Unassigned	New	e-commerce



PART 2 – Azure DevOps Git Setup



PART 3 — Configure CI/CD Pipeline (Theory)

Steps to Configure CI/CD Pipeline in Azure DevOps

Step 1 — Go to Azure Pipelines

1. Log in to <https://dev.azure.com>
2. Select your **project** → **ecommerce-app**.
3. From the left menu, click **Pipelines** → **Create Pipeline**.

Step 2 — Select Code Repository

1. Choose **Azure Repos Git** as the source.
2. Select the **ecommerce-app** repository

Step 3 — Configure Pipeline Using YAML

Azure DevOps uses a **YAML** file (.azure-pipelines.yml) to define pipeline stages.

We'll configure it to **run app.py** from the **src** folder.

Sample .azure-pipelines.yml:

trigger:

- main

pool:

vmImage: 'ubuntu-latest'

steps:

- task: UsePythonVersion@0

inputs:

versionSpec: '3.x'

- script: python src/app.py

displayName: 'Run E-Commerce Application Placeholder'

Step 4 — Save & Run the Pipeline

1. Save the .azure-pipelines.yml file in your repository.
2. Click **Save and Run** in Azure DevOps.
3. Azure DevOps will start the pipeline and execute the app.py file.

Step 5 — Verify the Pipeline

- Go to **Pipelines** → Select your pipeline.
- Check the status:
 - **Green Tick** → Pipeline ran successfully
 - **Red Cross** → Fix the YAML configuration or code errors

4. Explanation of the YAML Code

Component	Purpose
trigger	Specifies which branch triggers the pipeline (main).
pool	Defines the VM environment (ubuntu-latest).
steps	List of tasks to execute in the pipeline.
UsePythonVersion@0	Ensures Python 3.x is available in the environment.
script	Runs src/app.py.
displayName	Label displayed in the pipeline logs.

5. Expected Outcome

Once configured, whenever you:

- Push changes to the **main** branch,
- The pipeline will automatically:
 1. Fetch your latest code
 2. Run the Python script (app.py)
 3. Show the status as **successful** or **failed**