

# Devops-Assessment

## PART 1 - Work Item Breakdown:

### Epics:

The screenshot shows the Azure DevOps interface for a project named 'Devops-Assessment'. The left sidebar contains navigation options: Overview, Boards, Work items (selected), Backlogs, Sprints, Queries, Delivery Plans, Analytics views, Repos, Pipelines, Test Plans, and Artifacts. The main area displays a 'Recently updated' work item titled '107 User Management' by Lavanya jeyaram. The work item details include a description field (currently empty), a discussion section, and a planning section with fields for Priority (1), Risk (1 - High), Effort, Business Value, Time Criticality, Start Date, and Target Date. A deployment section on the right provides instructions on how to track releases and link the work item to a release.

**Work Item Details:**

- Title:** 107 User Management
- Author:** Lavanya jeyaram
- State:** New
- Area:** Devops-Assessment
- Reason:** New
- Iteration:** Devops-Assessment

**Planning Section:**

- Priority:** 1
- Risk:** 1 - High
- Effort:**
- Business Value:**
- Time Criticality:**
- Start Date:** Select a date...
- Target Date:**

**Deployment Section:**

To track releases associated with this work item, go to [Releases](#) and turn on deployment status reporting for Boards in your pipeline's Options menu. [Learn more about deployment status reporting](#)

**Development Section:**

**Add link**

Link an Azure Repos [commit](#), [pull request](#) or [branch](#) to see the status of your development. You can also [create a branch](#) to get started.

The screenshot shows the Azure DevOps interface for the 'Devops-Assessment' project, displaying a list of work items. The left sidebar is the same as the previous screenshot. The main area shows a 'Work items' view with a 'Recently updated' filter. A table lists the work items, including their ID, Title, Assigned To, State, Area Path, and Tags.

**Work Items Table:**

ID	Title	Assigned To	State	Area Path	Tags
111	Security & Compliance	Lavanya jeyaram	New	Devops-Assessment	
110	Transaction History	Lavanya jeyaram	New	Devops-Assessment	
109	Fund Transfer	Lavanya jeyaram	New	Devops-Assessment	
108	Account Services	Lavanya jeyaram	New	Devops-Assessment	
107	User Management	Lavanya jeyaram	New	Devops-Assessment	

Features:

DevOps-Assignment

Overview

Boards

Work items

Boards

Backlogs

Sprints

Queries

Delivery Plans

Analytics views

Repos

Pipelines

Test Plans

Artifacts

Project settings

Did you notice Azure Boards has a new look and awesome new features? [Learn more.](#)

Work Items

NEW FEATURE \*  
User Registration

Lavanya jeyaram

0 Comments Add Tag

Save

State: New

Area: Devops-Assignment

Reason: New

Iteration: Devops-Assignment

Business Value

Time Criticality

Start Date

Target Date

Classification

Value area

Business

Development

Add link

Link an Azure Repos commit, pull request or branch to see the status of your development. You can also create a branch to get started.

Related Work

Add link

Parent

107 User Management

Updated 6m ago

DevOps-Assignment

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Project settings

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Work Items

Recently updated

New Work Item

Open filtered view in Queries

Column Options

Import Work Items

Recycle Bin

feat

Types

Assigned to

States

Area

Tags

ID	Title	Assigned To	State	Area Path	Tags
122	Audit Logging	Lavanya jeyaram	New	Devops-Assignment	
121	Input Validation	Lavanya jeyaram	New	Devops-Assignment	
120	Filter Transactions	Lavanya jeyaram	New	Devops-Assignment	
119	View Transaction List	Lavanya jeyaram	New	Devops-Assignment	
118	Transfer to Other Banks	Lavanya jeyaram	New	Devops-Assignment	
117	Transfer to Same Bank	Lavanya jeyaram	New	Devops-Assignment	
116	View Account Details	Lavanya jeyaram	New	Devops-Assignment	
115	Account Creation	Lavanya jeyaram	New	Devops-Assignment	
114	Password Reset	Lavanya jeyaram	New	Devops-Assignment	
113	User Authentication	Lavanya jeyaram	New	Devops-Assignment	

# User Story:

DevOps-Assignment

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Recently updated

Back to Work Items

1 of 17

USER STORY 123

123 User Registration

Lavanya Jeyaram

0 Comments

Add Tag

Save

Follow

Updated by Lavanya Jeyaram: Just now

Details

State: New

Area: Devops-Assignment

Reason: New

Iteration: Devops-Assignment

Description

As a new user, I want to register using my email and password so that I can access the banking application.

Acceptance Criteria

1. The registration form should have required fields: email, password, confirm password.

2. Users should receive a success message upon valid registration.

3. Passwords must be stored securely using encryption/hashing.

Discussion

Planning

Story Points: 3

Priority: 1

Risk: 1 - High

Classification

Value area: Business

Deployment

To track releases associated with this work item, go to [Releases](#) and turn on deployment status reporting for Boards in your pipeline's Options menu. [Learn more about deployment status reporting](#)

Development

Add link

Link an Azure Repos [commit](#), [pull request](#) or [branch](#) to see the status of your development. You can also [create a branch](#) to get started.

DevOps-Assignment

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Work items

Recently updated

New Work Item

Open filtered view in Queries

Column Options

Import Work Items

Recycle Bin

user story

Types

Assigned to

States

Area

Tags

X

ID	Title	Assigned To	State	Area Path	Tags
127	Input Validation	Lavanya Jeyaram	New	Devops-Assignment	
126	View Transaction History	Lavanya Jeyaram	New	Devops-Assignment	
125	Fund Transfer Within Bank	Lavanya Jeyaram	New	Devops-Assignment	
124	Account Creation	Lavanya Jeyaram	New	Devops-Assignment	
123	User Registration	Lavanya Jeyaram	New	Devops-Assignment	

Tasks:

DevOps-Assignment

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Project settings

Did you notice Azure Boards has a new look and awesome new features? [Learn more.](#)

Recently updated

Back to Work Items

10 of 31

128

Design the frontend registration form with fields: email, password, confirm password

Lavanya jeyaram

0 Comments

Add Tag

Save

Follow

Updated by Lavanya jeyaram: 6m ag

Details

State: New

Area: Devops-Assignment

Reason: New

Iteration: Devops-Assignment

Description

Click to add Description.

Discussion

Planning

Priority: 1

Activity: Development

Effort (Hours)

Original Estimate: 5

Remaining

Completed

Deployment

To track releases associated with this work item, go to [Releases](#) and turn on deployment status reporting for Boards in your pipeline's Options menu. [Learn more about deployment status reporting](#)

Development

Add link

Link an Azure Repos [commit](#), [pull request](#) or [branch](#) to see the status of your development. You can also [create a branch](#) to get started.

DevOps-Assignment

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Work items

Recently updated

New Work Item

Open filtered view in Queries

Column Options

Import Work Items

Recycle Bin

task

Types

Assigned to

States

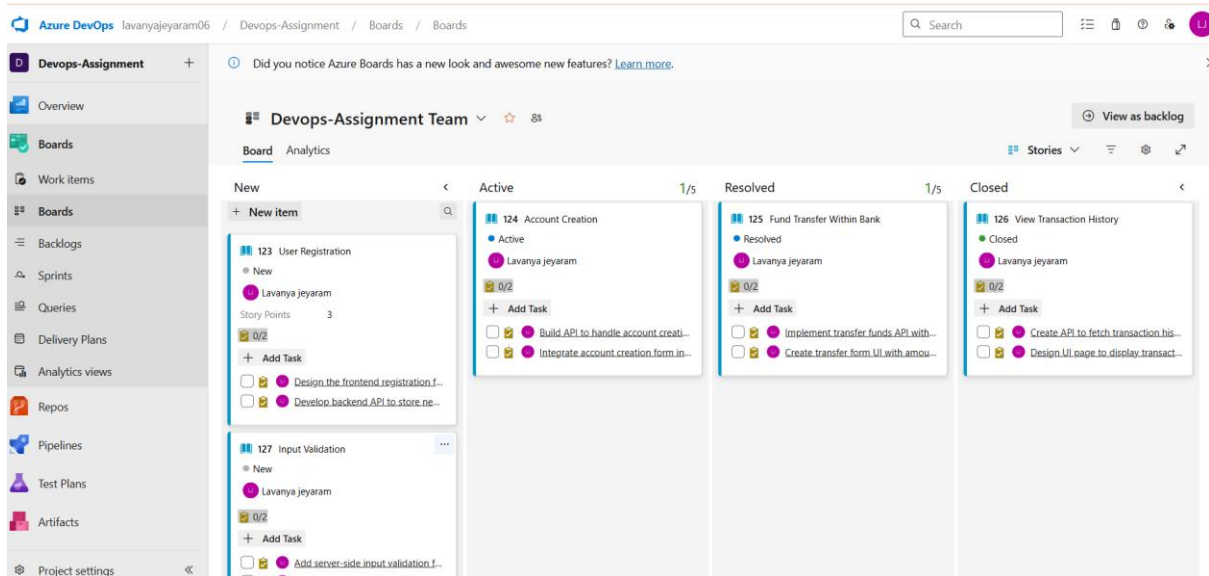
Area

Tags

X

ID	Title	Assigned To	State	Area Path	Tags
137	Implement client-side validation rules using HTML/JS for all major	Lavanya jeyaram	New	Devops-Assignment	
136	Add server-side input validation for registration and login forms	Lavanya jeyaram	New	Devops-Assignment	
135	Design UI page to display transaction list with date, amount, and desc	Lavanya jeyaram	New	Devops-Assignment	
134	Create API to fetch transaction history for the logged-in user	Lavanya jeyaram	New	Devops-Assignment	
133	Create transfer form UI with amount, receiver ID, and notes	Lavanya jeyaram	New	Devops-Assignment	
132	Implement transfer funds API with balance check and receiver account	Lavanya jeyaram	New	Devops-Assignment	
131	Integrate account creation form in UI with dropdown for account type	Lavanya jeyaram	New	Devops-Assignment	
130	Build API to handle account creation with type selection (savings/check)	Lavanya jeyaram	New	Devops-Assignment	
129	Develop backend API to store new user data and hash passwords	Lavanya jeyaram	New	Devops-Assignment	
128	Design the frontend registration form with fields: email, password, confirm password	Lavanya jeyaram	New	Devops-Assignment	

## Boards:



## Cmd Guide:

### 1. Create Project Structure And Files:

```
C:\Users\Lavi>mkdir banking-app
C:\Users\Lavi>cd banking-app
C:\Users\Lavi\banking-app>mkdir src
C:\Users\Lavi\banking-app>echo "print('Banking Application Placeholder')" > src/app.py
C:\Users\Lavi\banking-app>echo "# Banking Application" > README.md
```

### 2. Initialize Git:

```
C:\Users\Lavi\banking-app>git init
Initialized empty Git repository in C:/Users/Lavi/banking-app/.git/
C:\Users\Lavi\banking-app>git add .
C:\Users\Lavi\banking-app>git commit -m "Added banking app structure and pipeline file"
[master (root-commit) d9df49f] Added banking app structure and pipeline file
3 files changed, 15 insertions(+)
create mode 100644 .azure-pipelines.yml
create mode 100644 README.md
create mode 100644 src/app.py
```

### 3. Add Azure DevOps Remote (SSH) and Push To Azure Devops:

```
C:\Users\Lavi\banking-app>git remote set-url origin git@ssh.dev.azure.com:v3/lavanyajeyaram06/Devops-Assignment/Devops-Assignment

C:\Users\Lavi\banking-app>git push -u origin main
Enumerating objects: 6, done.
Counting objects: 100% (6/6), done.
Delta compression using up to 4 threads
Compressing objects: 100% (3/3), done.
Writing objects: 100% (6/6), 605 bytes | 302.00 KiB/s, done.
Total 6 (delta 0), reused 0 (delta 0), pack-reused 0 (from 0)
remote: Validating commits... (1/1) done (0 ms)
remote: Storing packfile... done (110 ms)
remote: Storing index... done (43 ms)
remote: Updating refs... done (182 ms)
To ssh.dev.azure.com:v3/lavanyajeyaram06/Devops-Assignment/Devops-Assignment
 * [new branch]      main -> main
branch 'main' set up to track 'origin/main'.
```

#### 4.Run Pipeline in Azure DevOps UI:

- Go to Pipelines → New Pipeline
- Select Azure Repos Git
- Pick your repo: Devops-Assignment
- Select YAML → .azure-pipelines.yml
- Click Run

#### Final Output :

**Azure DevOps** lavanyajeyaram06 / Devops-Assignment / Pipelines / Devops-Assignment / 20250707.1

**#20250707.1 - Added banking app structure and pipeline file**

This run will be cleaned up after 1 month based on your project settings.

**Summary** Code Coverage

Manually run by **Lavanya jeyaram**

Repository and version  
 ◆ Devops-Assignment  
 17 main ↗ d9df49f6

Time started and elapsed  
 🕒 Today at 3:21 PM  
 ⌚ <1s

Related  
 📁 0 work items  
 📦 0 artifacts

Tests and coverage  
 📊 Get started

**Errors** 1

✖ No hosted parallelism has been purchased or granted. To request a free parallelism grant, please fill out the following form <https://aka.ms/azpipelines-parallelism-request>

[View documentation for troubleshooting failed runs](#)

**Jobs**

Name	Status	Duration
Job	Failed	