Shell Case Work

Emp name: Akshita Verma

Emp ID: 655167

**AZURE BOARD ACTIVITIES**

1)Project

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A screenshot of a computer

Description automatically generated2)Epic

3)Product backlog

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4)Sprint Backlog

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5)User stories

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6)Tasks

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7)Test cases

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8)Bug

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9)Azure board taks and sprint closure

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**AZURE VM creation**

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**GITHUB ACTIVITIES**

Git installation

A screenshot of a computer

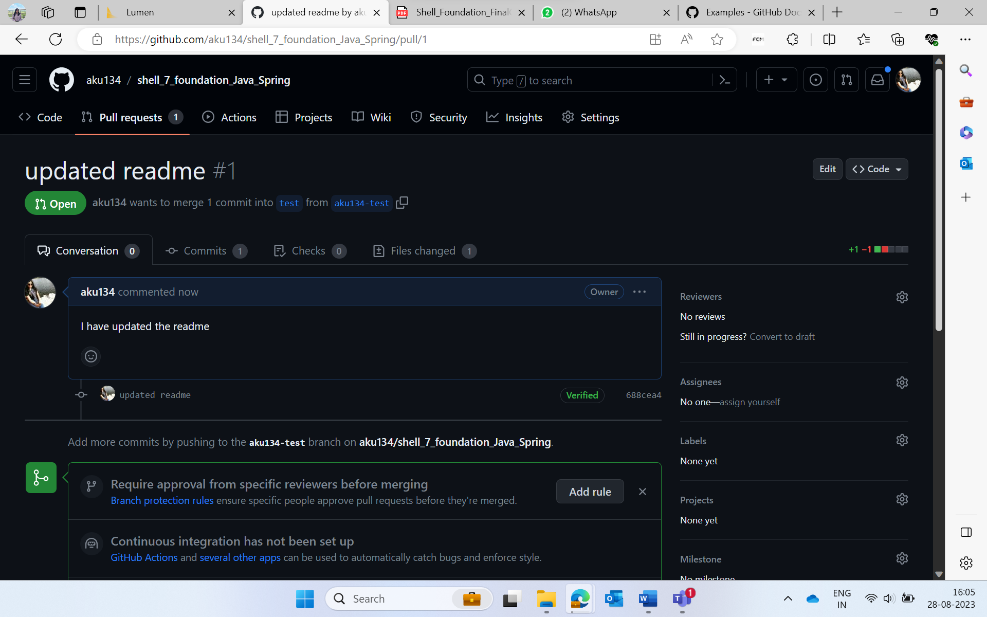
Description automatically generated

Git clone

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Description automatically generated

Git pull request



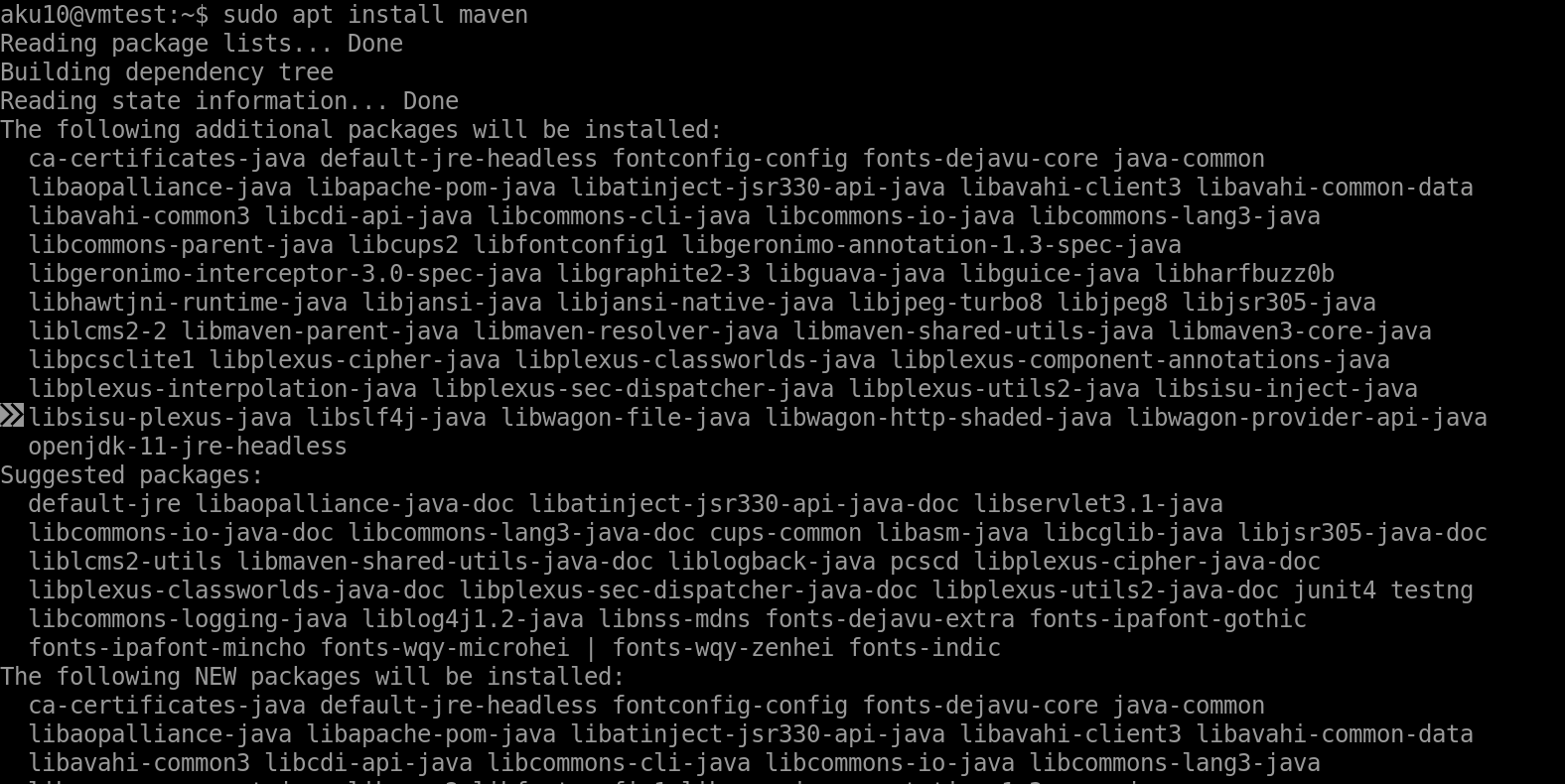
Create Fork

A screenshot of a computer

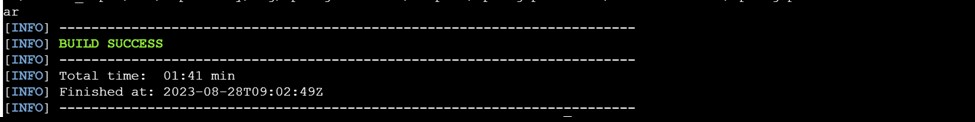
Description automatically generated

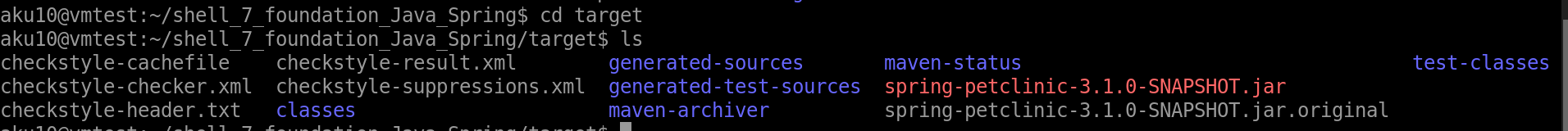
**MAVEN ACTIVITY**

Maven installation



Maven Build Process





**PROMETHEUS ACTIVITY**

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**DOCKERFILE CREATION**

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A computer screen shot of a black screen

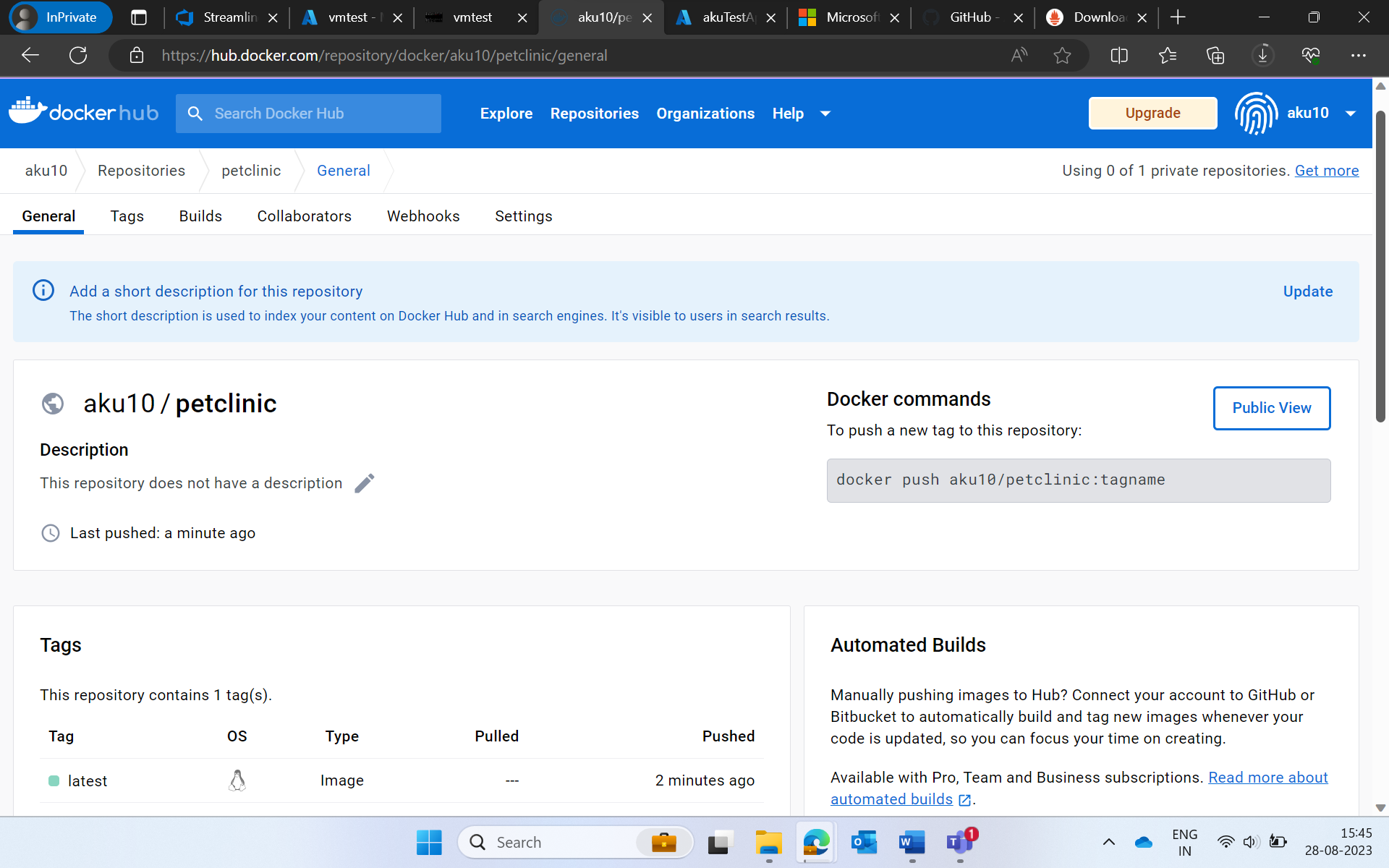
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Build and push to repository

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Image pushed to docker hub repository



**GITHUB ACTIONS**

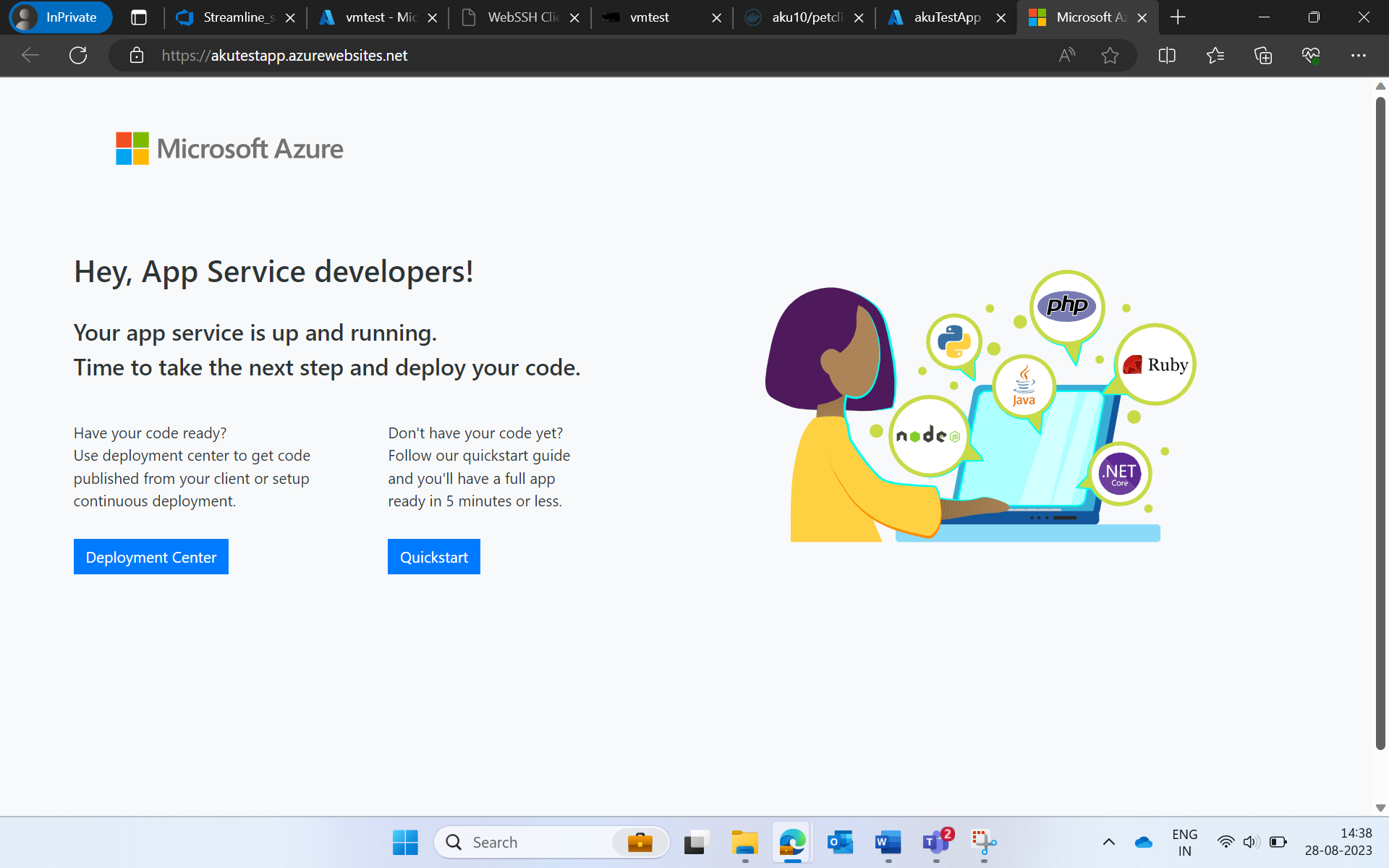
A screenshot of a computer

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AZURE WEB APP CREATION AND DEPLOYMENT

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**Lessons Learnt**

* Creating and managing tasks, user stories, epics etc on Azure boards.
* Learnt how to perform github activities such as git clone,
* git push, pull request etc
* Creation of VM on Azure and allocating resources
* Installation of maven
* Docker installation and creation – build ,push
* Performing Github actions such as creating triggers on push, pull
* Prometheus monitoring tool.
* Creating web app on Azure portal