LAB(DOCKER)

Installation of docker by using the command prompt

Text

Description automatically generated

Graphical user interface, text, application

Description automatically generated

We can run the new repository by using the command prompt.

Graphical user interface, text, application, email

Description automatically generated

Docker Container which is created

Part 2

Creating a new Docker file.

Graphical user interface, text, application

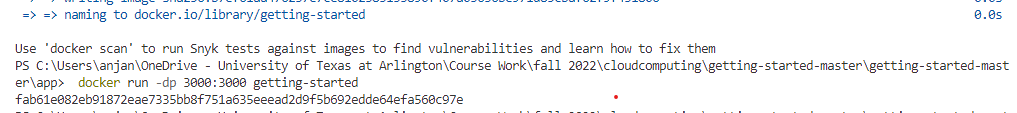
Description automatically generated

Building the new repository using the build command

Graphical user interface, text, application, email

Description automatically generated

New container is created.



Graphical user interface, text, application, email

Description automatically generated

Part3: Update the Application

Graphical user interface, text, application, email

Description automatically generated

Build new version of getting-started container

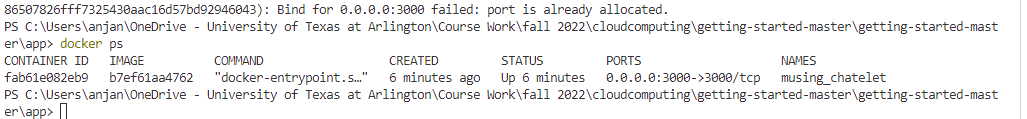
Graphical user interface, text, application, email

Description automatically generated

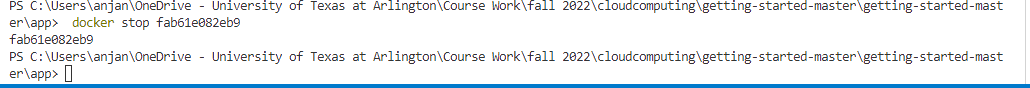
Starting new container using the updated code

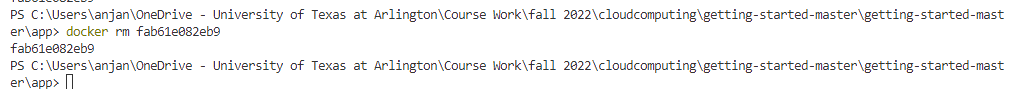
A picture containing diagram

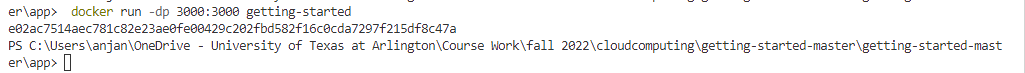
Description automatically generated



Removing the old container:







Start the updated container:

Graphical user interface, text, application

Description automatically generated

Graphical user interface, text, application

Description automatically generated

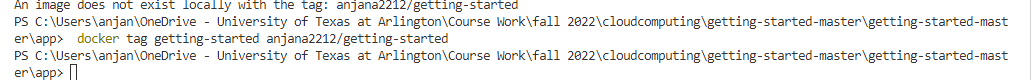
Part4:Share the Application

Creating the repo

Graphical user interface, application

Description automatically generated

Push the code



Run the image on anew instance

Graphical user interface, text, application

Description automatically generated

Text

Description automatically generated

Graphical user interface, text, application, email

Description automatically generated

Part 5

Persistent DB:

Starting a ubuntu

Graphical user interface, text, application, email

Description automatically generated

Graphical user interface, text, application, email

Description automatically generated

Graphical user interface, application, Word

Description automatically generated

Application

Description automatically generated with medium confidence

Graphical user interface, text, application

Description automatically generated

Removing the containerText

Description automatically generated with medium confidence

A picture containing text

Description automatically generated

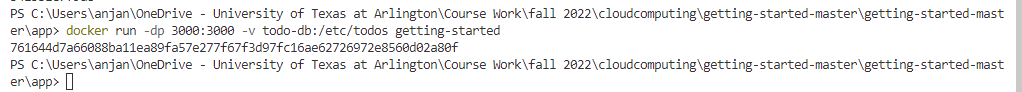
Graphical user interface, text, application

Description automatically generated

Text

Description automatically generated

Persist the todo data



A picture containing graphical user interface

Description automatically generated

Dive into the volume

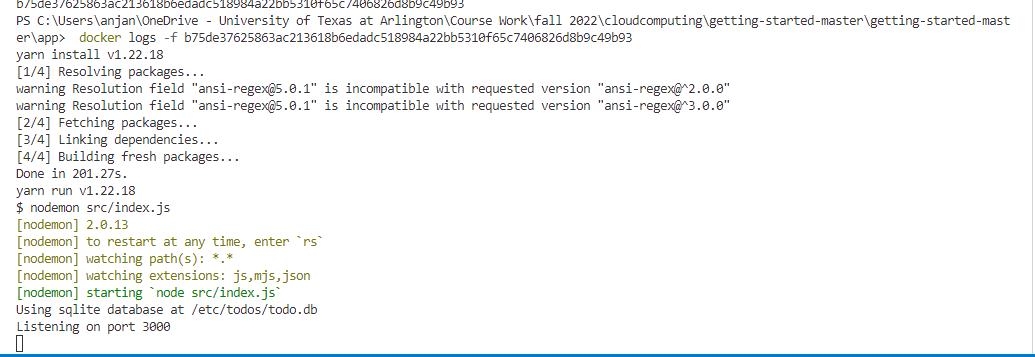
Graphical user interface, text, application, email

Description automatically generated

Step 6:Use bind mounts

Text, letter

Description automatically generated



Start a dev-mode container

Text, timeline

Description automatically generated

Graphical user interface, text, application, email

Description automatically generated

Graphical user interface, text, application

Description automatically generated

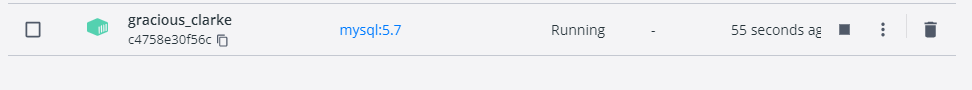
Part 7:start Mysql

Text, letter

Description automatically generated

Graphical user interface, text

Description automatically generated



Text, letter

Description automatically generated

Graphical user interface, application

Description automatically generated

Connect to Mysql:

Graphical user interface, text

Description automatically generated

Text

Description automatically generated

Run your app with mysql

Text

Description automatically generated

A picture containing text

Description automatically generated

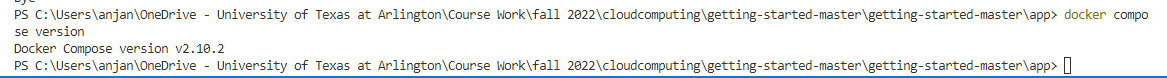
Graphical user interface, text, application

Description automatically generated

A picture containing table

Description automatically generated

Part 8: Use Docker Compose



Define the app Service

Graphical user interface, text, application, email

Description automatically generated

MYSQL SERVICE  
Graphical user interface, text, email

Description automatically generated

Run the application stack

Graphical user interface, text

Description automatically generated

Graphical user interface, text, application

Description automatically generated with medium confidence

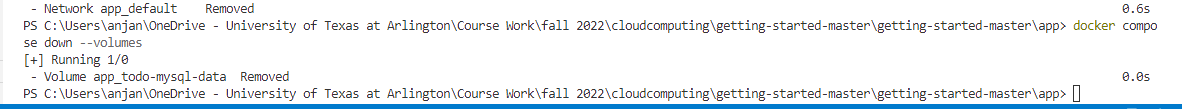
Graphical user interface, text, application

Description automatically generated

Tear it all down

Graphical user interface

Description automatically generated with medium confidence



Part 9:security scanning

Scanning the container

Graphical user interface, text, application, email

Description automatically generated

A picture containing text

Description automatically generated

Graphical user interface, text, application

Description automatically generatedGraphical user interface, text, application, email

Description automatically generated

Graphical user interface, text, application, email

Description automatically generated

Graphical user interface, text, application, email

Description automatically generated