
Installation instructions.

Author: JT Kashuba, Zeke Petersen, River Veek

Group: TBD

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Installation Instructions

1. Ensure that Docker Desktop has been installed on your machine.
 - a. Information about this process can be found in the Docker Desktop Documentation:
<https://docs.docker.com/desktop/>.
2. Clone the Four-Year Plan Tracker code from the Bitbucket repository.
 - a. First, ensure that git is installed. Information on how to install git can be found in the git documentation:
<https://git-scm.com/doc>.
 - b. Before cloning the repository, be sure that you are in the desired directory on your local machine.
 - c. Cloning the repository can be accomplished with the following command (where <username> is your Bitbucket username):
`git clone https://<username>@bitbucket.org/jkashuba/tbd.git`.
3. Build the Docker image and container.
 - a. First, ensure that any old versions of the image or container are stopped and deleted. The necessary commands for this step are located in the README.md file.

Note: if you are not able to run the run.sh script on a Unix-based OS, grant r/w/e permissions by executing the `chmod 777 run.sh` command in the terminal.

- b. Next, run the run.sh script which can be found in the main directory. The command to run this script is as follows:

`./run.sh`.

This will build a new container from the current image and tether the application to the port specified in the script.

Note: if you are using a Windows terminal (i.e. Windows Powershell), the command needed to run the run.sh script is as follows:

`.\run.sh` (with a backslash rather than a forward slash).

4. Access the app via port 5000.
 - a. The Four-Year Plan Tracker is now fully operational. To interact with the application, enter the following URL into your browser:
<https://localhost:5000/>.
5. When system is no longer in use, stop the container from the Docker Desktop application.
 - a. If the system's services are needed again, start the container from the Docker Desktop application.
 - b. For more information about how to use this Docker Desktop application functionality, refer again to the Docker Desktop Documentation:
Information about this process can be found in the Docker Desktop Documentation:
<https://docs.docker.com/desktop/>.
6. For more information about the Four-Year Plan Tracker system, refer to the SRS.pdf file. Additionally, you can refer to the README.md file for information about how Docker is used to deploy the Four-Year Plan Tracker system.