VSTS Exercises

* You will not be able to complete these exercises if you don’t have your Microsoft credentials yet.
* If that applies to you, just partner up with someone who has theirs, so you can follow along

# Browsing to the web portal

1. Browse to <https://microsoftleap.visualstudio.com>
2. Click on the project for your Cohort

# Connecting to VSTS through Visual Studio

1. Connect to the project for your cohort at <https://microsoftleap.visualstudio.com> using the Team Explorer tab in Visual Studio

# Work

## Creating work items

1. Create a new task
2. Assign it to yourself
3. Fill out the title and description with whatever you like
4. For area, choose an area UNDER <yourCohort>\Test (Cohort8\Test\Test1, for example)
5. For iteration, choose iteration 1
6. Save the task
7. Go to Queries and click on “Assigned to me” in the left pane to make sure you can see the new task

## Creating child work items

1. Create a linked work item that is a child of the one you created
2. Assign it to yourself
3. Change the state of the child item to closed and save
4. Modify the “Assigned to me” query to show results in a tree view instead of flat list.
   1. Hit refresh to make sure the changes worked
5. Modify the “Assigned to me” query to exclude closed work items
   1. You will probably have to modify the child part AND the parent part
   2. Hit refresh to make sure your query worked

## Writing queries

1. Write a personal query called “Iteration 1” that returns all work items with the following criteria:
   1. The work item type is Task
   2. The area path is under <yourCohort>\Test
   3. The iteration path is <yourCohort>\Iteration 1
   4. The results are in a tree view

# Code

## Browsing code

1. Browse code in the master branch of the Test repo using the web portal

## Creating a remote branch

1. Create a new remote branch from origin/master using VSTS. Name it <yourAlias>-dev

## Cloning a Git repo

1. Clone the Test repo to your local machine through Visual Studio
2. Create a local branch from the remote branch you created in the previous section

## Creating a pull request

1. Check out the local branch you created in the previous section
2. Modify or add a file
3. Commit the change and push it
4. Working with a partner, create a pull request from your tracked branch to their remote branch
5. Add them as a reviewer
6. Have them provide feedback and approve the PR.
7. Once approved, you complete the PR.
8. Do the same in the opposite direction, with your partner creating the PR into your tracked branch