# Web Programming 3 (420-5W6) Milestone 3 [Individual] (15%)

Objectives: **Develop multiple microservices with ASP.NET Core.**

Due Date: **See different due dates on Lea.**

For each chapter, submit on Lea 1 Zip folder containing all files and the solution file (.SLN).

Deductions for late submissions is 10%/day, up to a maximum of 3 days. Better late than never.

## Task

Complete every challenge and all previous steps part of the course Azure Microservices with .NET Core for Developers:

Login with your JAC credentials: [**https://lnkd.in/eFvRR7R**](https://lnkd.in/eFvRR7R)

<https://www.linkedin.com/learning/azure-microservices-with-dot-net-core-for-developers/>

There are 5 Challenges each counting 3% each. Each will have different due dates to be announced on LEA. Note, these are incremental tasks.

Chapter 2 [Challenge: Implementing the customers and orders microservices (linkedin.com)](https://www.linkedin.com/learning/azure-microservices-with-dot-net-core-for-developers/challenge-implementing-the-customers-and-orders-microservices?autoSkip=true&autoplay=true&resume=false&u=106240434)

Chapter 3 [Challenge: Synchronous communication to the customers microservice](https://www.linkedin.com/learning/azure-microservices-with-dot-net-core-for-developers/challenge-synchronous-communication-to-the-customers-microservice?autoplay=true&resume=false&u=106240434)

Chapter 4 [Challenge: Implementing a build pipeline for your microservices (linkedin.com)](https://www.linkedin.com/learning/azure-microservices-with-dot-net-core-for-developers/challenge-implementing-a-build-pipeline-for-your-microservices?autoplay=true&resume=false&u=106240434)

Chapter 5 [Challenge: Containerizing your microservices (linkedin.com)](https://www.linkedin.com/learning/azure-microservices-with-dot-net-core-for-developers/challenge-containerizing-your-microservices?autoplay=true&resume=false&u=106240434)

Chapter 6 [Challenge: Deploying microservices to Azure Service Fabric (linkedin.com)](https://www.linkedin.com/learning/azure-microservices-with-dot-net-core-for-developers/challenge-deploying-microservices-to-azure-service-fabric?autoplay=true&resume=false&u=106240434)

The student must complete all steps in each chapter including the Chapter Quiz.   
When submitting each chapter, take a screenshot proving that the chapter quiz was completed.

Your grade is impacted by how many correct questions are answered.

Update your Linked-In profile to have a professional looking picture.

Send a similar looking screenshot where we can see which **Chapter Quiz it is, your account picture and name, the number of questions answered and the  for all videos watched**.

A screenshot of a computer

Description automatically generated

## For each service’s controllers

Include this header in each controller in each service.

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\* Course: Web Programming 3

\* Assessment: Milestone 3

\* Created by: STUDENT NAME - ID

\* Date: <DAY> <MONTH> 202x

\* Class Name: XYZ.cs

\* Description: Explain what the class stores and its functionality.

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## Updates to the online course

When starting a new chapter, always read this file found on Teams: Milestone 3 - Modifications from online tutorial vX.docx. It will contain modifications or updates to the online tutorial to help you complete the chapter.

## Attendance

## Learning Microservices in the classroom is an active learning activity. There are lots of details and intricacies only explained in class.  Active learning of competencies requires hands on learning with interactive classroom work, which requires no more than 20% absences. Attendance is compulsory for this active learning activity. Milestone 3 (15%) grading has 20% worth of the points related to attendance. **For the rest of the semester, unexcused absences of more than 20% of any of these activities will result in a grade of 0 for the assessment related to that activity. If you have less than 20% of absences, it will be calculated based on the worth of 20% for each assessment.**

## Demo

You must demonstrate the final working project at a given time in class. The teacher will announce exactly when to demo.

**Important**: When you demo you must be able to answer questions that prove your understanding of the steps. Failure to properly explain the inner works will result in grade deductions. The questions are related to the code and how it works. If you demo a project that was not made by you, you will receive 0%. If you do not demo at this time, you will receive 0% for this evaluation.