



CSCI 4145 / 5409 – Summer 2020

Assignment 7 - Team Assignment

Amendments 2020-07-19: You need to have serverless computing for at least each of the companies X and Y and you need to use containers for deployment as is appropriate. For which components you use serverless computing or containers is up to you as long as their use is appropriate (whether you use serverless computing for X and Y for their frontends or webservices and which components you deploy using containers is up to you). Otherwise, the functional requirements are as in A6 (including frontends for management of information in tables Jobs, Parts, and PartOrders).

This is the second assignments involving team-work. As in the previous assignment, you are required to utilize agile software development method based on sprints and scrums and to use the collaborative software you used in your previous assignment. In this assignment, you are asked to use serverless computing for each of X and Y and you need to use containers also as is appropriate. ~~in the back-end to achieve the same web app as in your previous assignment.~~ You need to support the same functionality as in A6, including CRUD operations on each of the Jobs, Parts, and Job-Parts tables and matching and recording of fulfilled requests of obtaining parts for jobs.

Submission Requirements

Note that the submission deadlines are posted elsewhere. Any file that you submit should have a name:

“A7-Team#Y.pdf”, where

- Team# ... is a two-digit ID/number of your group/team
- Y ... is a brief (max 8 letters) description of what is contained in the file, e.g., “compX”, or “jobs”, or “Parts”, or “JobPart”, or ...

Content ... Table of contents that describes your submission (and in which files if you submitted in files). Furthermore, your submission should also include, possibly in separate sections, the following information.

Deficiencies ... There should be (in a separate section) description of any deficiencies related to the assignment’s functional requirements

Meritable Contributions ... Optionally in a separate section, if you are proud of your work and feel it deserves more than satisfying requirements (B+), highlight and describe here what you did really well or in excess of the basic requirements. Use this to highlight what you did particularly well or in excess of the requirements and in excess of *any additional functionality that you did not provide in A6*.

Software organization ... high level overview with references to your code repository, including DB(s) used

Code Repo ... Your code (including DB scripts) should be in FCS repo (FCS GitLab ... https://git.cs.dal.ca/users/sign_in).

DB Scripts ... Brief (few lines) description of script file(s) you used to initially seed your DB by inserting tuples into tables and info where in the code repo your scripts can be found (scripts should be in your code repository)



A7-Tasks-Form-Team.pdf ... Download the form *Tasks-Form-Team.docx*, fill it out, produce and submit a pdf version that should be called: *A7-TasksForm-Team-GXX.pdf*, where XX is your group number. The form is filled out by the team and submitted on behalf of the team.

A7-Self-Peer-Form-Ind.pdf ... Each member needs to download the form *Self-Peer-Ind-YourName.docx* (it is attached to the assignment box), fill it out, produce and submit a pdf version that should be called: *A7-Self-Peer-Ind-XXXX.pdf*, where XXXX is your last name as it appears on Brightspace. The form is filled out and submitted individually by each team member in the assignment *Self-Peer-Forms*. Failure to submit such a form will result in the loss of marks.

Optional Items

Video ... Reference to a video that can be viewed by your evaluator to be introduced to your software when it executes – the intention is to provide your evaluator with an introduction to the software UI for each of the three companies. The video is not intended to be used as a proof that your software works, i.e., it is not intended to show the results of all possible cases that can be reached through UI.

...

You will also be required to provide a live demo/testing session with your Home TA and submit, before your demo session a file, called *Basic-Workflow-tests.pdf*, that describes results of a basic workflow – for more information, please see *A7-RUBRIC-CSCI-4145-5409sum2020.pdf*.