

University of Calgary

Winter 2020

SENG 300 – L01 –T10

Introduction to Software Engineering

Assignment #4

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Create

FUR: The user will be able to create company information record (which is not in the system yet) by submitting data entry form.

FP1: The user access an empty form that includes all data fields (10 fields) to submit data to the database

- E: Request data submission form (includes all data fields)

- R: Data submission form (includes all data fields)

- X: A new form is opened to input new company data if not founded

Size of FP1 = 3 CFP

FP2: The user can fill out information about the company in the data submission form (10 fields)

- E: Company information (all of data fields are required to be filled)

- W: Company information (all of data fields are required to be filled)

- X: Submitted company information with confirmation (detailed form, all attributes)

- X: Error Message

Size of FP2 = 4 CFP

Total Size of Create = 7 CFP

Retrieve

FUR: The user will be able to retrieve a list of all company contact data based on company and name of contact and it will display all fields maintained in the company contact data.

FP1: The user will be able to retrieve a list of all company contact data based on company and name of contact

- E - Request "list company contact"

- R - Companies contact data including all fields

- X - Companies contact data including all fields

- X - Error message in case of failling reading from database.

Total Size of Retrieve = 4 CFP

Update

FUR: The user will be able to update a company's contact information based on company's name and name of contact

FP1: The user will be able to retrieve a list of all company contact data based on company and name of contact

- E - Request "list company contact"

- R - Companies contact data including all fields

- X - Companies contact data including all fields

- X - Error message in case of faililng reading from storage.

Size of FP1 = 4 CFP

FP2: The user chooses a company that why want to edit info from the list and displays the company data

- E - Company name and name of contact

- R - Company contact data (All of fields are included)

- X – Updated Company contact data (All of fields are included)

X - Error message in case of unable to read from storage.

Size of FP2 = 4 CFP

FP3: The user updated information on the selected company

E - Updated company data (All of fields are checked by user for entering updated data)

W - Updated company data

X - Confirmation or error message

Size of FP3 = 3 CFP

Total Size of Update = 4 + 4 + 3 = 11 CFP

Delete

FUR: The user will be able to delete a company's contact information based on company's name and name of contact

FP1: The user will be able to retrieve a list of all companies contact data based on company and name of contact

E - Request "list company"

R - Companies contact data including all data fields

X - Companies contact data including all data fields

X - Error message in case of failing reading from storage.

Size of FP1 = 4 CFP

FP2: The user chooses a company they want to delete

E - Company name and name of contact

R - Company contact data (All of data fields are included)

X - Company contact data (All of data fields are included)

X - Error message in case of failing reading from storage.

Size of FP2 = 4 CFP

FP3: The user confirms deletion on the selected company

E - Request deletion of the selected company (All of data fields are checked by user)

W - Delete the selected company data

X - Confirmation or error message

Size of FP3 = 3 CFP

Total Size of Delete = 4 + 4 + 3 = 11 CFP

In total, this system requires 7 + 4 + 11 + 11 = 33 CFP