Et billede, der indeholder kort

Automatisk genereret beskrivelse

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Project name : Software for a Covid-19 test- center, the Infectious detection department and the vaccine- center.

Customer : Sundhedsstyrelsen (The Danish Health Department). The teachers will be the customers and you need to talk, before you can find the FURPS+ in this project ☺.

Deadline: Wed., June 2, 2021 10 am hand-in to WiseFlow

Roles : Minimum 3 types. Simple user, Secretary and the administrator.

1. Simple user : C, R

2. Secretary : C, R, U

3. Administrator : C, R, U, D

Technology used : (as a minimum)

1. Java Spring Boot Web, HTML. The product needs to be some kind of a webpage solution.
2. Database: MySQL and it needs to be a DBMS (not H2)
3. Java: Files, Exception, try, List, Set, ArrayList, Map, Interface, Inheritance, Conditional statements, loops (for, while, do while, for- each)
4. GitHub: The code both need to be handed in as a link to GitHub and a zip file.

Hand in is in WiseFlow and you will get the date later.

The report needs to at least contain:

1. Problem statement
2. Problem analyzes
3. Project limitation
4. A simple guide for the software product you made.
5. SQL: a SQL script that define all data for the database. You need to hand-in this file with all coding. Note this is a file of its own and is a zip- file of all SQL files.

# Description

## Covid-19 test- center: Need to have

Minimal functions

1. Create new booking for test for the login user

2. Login

3. Logout

4. Show list and calendar for all users if admin role or for the user login if not admin

5. Search for a specific user

## The Infectious detection department: Optional: Nice to have

Minimal functions

1. Create new user

2. Login

3. Logout

4. Change Infectious status for user

5. Add person to group for a location and date / time

## The vaccine- center: Optional: Nice to have

For this vaccine you need to be able to book more then one time.

Minimal functions

1. Create new user

2. Login

3. Logout

4. Show some kind of a diploma that you have the Vaccine

# Requirements to Business (ITO)

The report must contain the following:

* Feasibility Study
* Risk analysis
* SWOT analysis for the company
* Stakeholder analysis

# Requirements to Software Development

Your work is to reflect software development based on Craig Larman “Applying UML and Patterns” – where the project work is to follow the Unified Process – UP.

Minimum report requirements –

List of **requirements** – FURPS (where it applies in your solution)

A **Use Case Diagram** with all use cases

A **Domain Model**

A **Glossary** of terms and abbreviations

A **Phase Plan**

ER- diagram

Show the development of **3 use cases minimum** from design to construction – use the following elements as a guide

Materials:

Craig Larman - Applying UML and Patterns

Roger Pressman - Software Engineering: A Practitioner's Approach

Topic:

Process Models

Unified Process

Requirements gathering

Use case description (brief, casual, fully dressed)

FURPS

UML

Domain Model

Activity Diagram

Use Case Diagram

System Sequence Diagram

Sequence Diagram

State Diagrams

Class Diagram

Package Diagram

GRASP

Information Expert

Creator

Low Coupling

High Cohesion

Controller

Polymorphism

Pure Fabrication

Indirection

Quality Concepts

Quality of design

Quality of conformance

Software Testing Techniques

Unit testing

Integration testing

Debugging

Normalization of your tabels

# Contact to the Teachers for this project

Subject: Covid-19 Project 2

In the body pls write full your name, class. Use your KEA mail