Grzegorz Malisz

Synthesis Assignment Project Plan

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# Client

My client is the company RobertHeijn B.V. is specialized in selling groceries and household goods of different categories. Currently, the company needs a software solution that allows their customers to shop online.

# Team

* Grzegorz Malisz

# Current Situation

Company is in need of software solution that would allow them to run the online shop, that is being managed by employees. This software solution can be achieved with the use of .Net, ASP Razor Pages, Windows Forms Frameworks and SQL server.

# Problem Description

Client company requires solution that must enable their customers to place orders. For example, this can be done by selecting items from different categories, adding items to the shopping cart, and completing the order. After placing an order(s), customers can check the order status, e.g., in preparation, awaiting shipment, shipped, delivered. The customers should also be able to retrieve previously made orders with the details. A shop employee must be able to manage the items (grocery and goods) by specifying the information about them and those items should be available on the website for customers to buy it.

# Project goal

What this project is hoping to achieve is to create online shop for the company RobertHeijn B.V. that would allow mentioned company to sell good and groceries via website and manage the sold items via desktop application with functionalities like:

* Managing item information
* Placing an order
* Processing a placed order
* Tracking an order
* Bonus Card
* Bonus Points

# Deliverables

Deliverables are:

* Project Plan
* URS
* Test plan and test report
* UML Class diagram
* Software solution
  + Source code
  + Unit tests
  + Database

# Non-deliverables

Although project aims to create manageable online shop, I am not directly going to be delivering a online shop with all the items already prepared to be sold.

# Constraints

Scope of the project is to create online shop managed with desktop application for the company RobertHeijn B.V. It also must meet all the requirements.

Project must be delivered before Friday 23rd of December 2022 16:00. Project is done by one person. Project will be made using C# with a combination of HTML, CSS, JS in the SP.Net Core Razor Pages and Windows Forms.

# Phasing

The project will be conducted with a help of the agile method. The first iteration of project will be divided into phases:

1. Analysis and Design – **first week**
   1. Documentation
      1. Creating project plan
      2. Creating URS
      3. Creating UML
   2. Crating Layout for the Online Shop and Desktop Storage Manager(**Presentation Layer**),
2. Design and Implementation – **second week**:
   1. Creating Database Design and populating it with data (**Data Access Layer**),
   2. Creating **Logic Layer** between **Presentation Layer** and **Data Access Layer,**
      1. Retrieving data and passing it to Presentation Layer,
      2. Creating Desktop Storage Manager Application,
   3. Crating first test cases,
3. Implementation – **third week**:
   1. Creating Online Shop
   2. Test Plan and Test Report