

SW Design and Architecture Project Specification Document

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Project 1: ONLINE SHOPPING SERVICE

Implement a user application using the principles of web services declared in lab materials that allows him/her to discover products, add products to his/her online shopping cart and complete his/her order pay visa (PayPal service) or cash on delivery.

Project Requirements:

- 1. Admin functions implementation as web services:**
 - 1.1 Add Items: Admin can add items details like name, Description, Price, Category etc.
 - 1.2 View / Edit / Delete Items: Admin can view, edit, and delete the items details.
- 2. User functions implementation as web services:**
 - 2.1 Register: for the first time with his personal information (name, address, area, mobile number).
 - 2.2 Login: User have to login with their credentials to access the system.
 - 2.3 User can view items details then can add it to shopping chart.
 - 2.4 View Cart: User can view their cart details.
 - 2.5 Delete: User can delete items from cart.
 - 2.6 Update: User can update items quantity.
 - 2.7 Optional payment methods: cash on delivery or using credit card.
- 3. Database implementation on Microsoft SQL Server**
- 4. Application implementation that will assemble and consume admin and user functionalities**

Project 2: A BLOOD PRESSURE TRACKER SERVICE

Implement a user application using the principles of web services declared in lab materials that stores data provided from scale to watch and analyze blood pressure. It will help you to track your blood pressure while on diet plan.

Project Requirements:

- 1. User functions implementation as web services:**
 - 1.1 Register: user can register his/her personal information (name, age, weight, gender and blood pressure).
 - 1.2 Login: User have to login with their credentials to access the system.
 - 1.3 Update: user can update his/her personal information.
 - 1.4 View: user can view his/her personal information.
- 2. System functions implementation**
 - 2.1 Diet Recommendation: system should provide for each user diet plan according to his/her blood pressure.
 - 2.2 Blood Pressure Reminder: system should remind you to measure the blood pressure often.
 - 2.3 Data Storage: system should track each user blood pressure and store them.
 - 2.4 Blood Pressure Analysis: system should plot user graph of blood pressure.
- 3. Database implementation on Microsoft SQL Server**
- 4. Application implementation that will assemble system functionalities and consume user functionalities**

Projects Bonus:

- Design client application as an asp.net.
- Add identity service (yahoo, Gmail).
- Any extra functionalities.
- Creative UI Design.