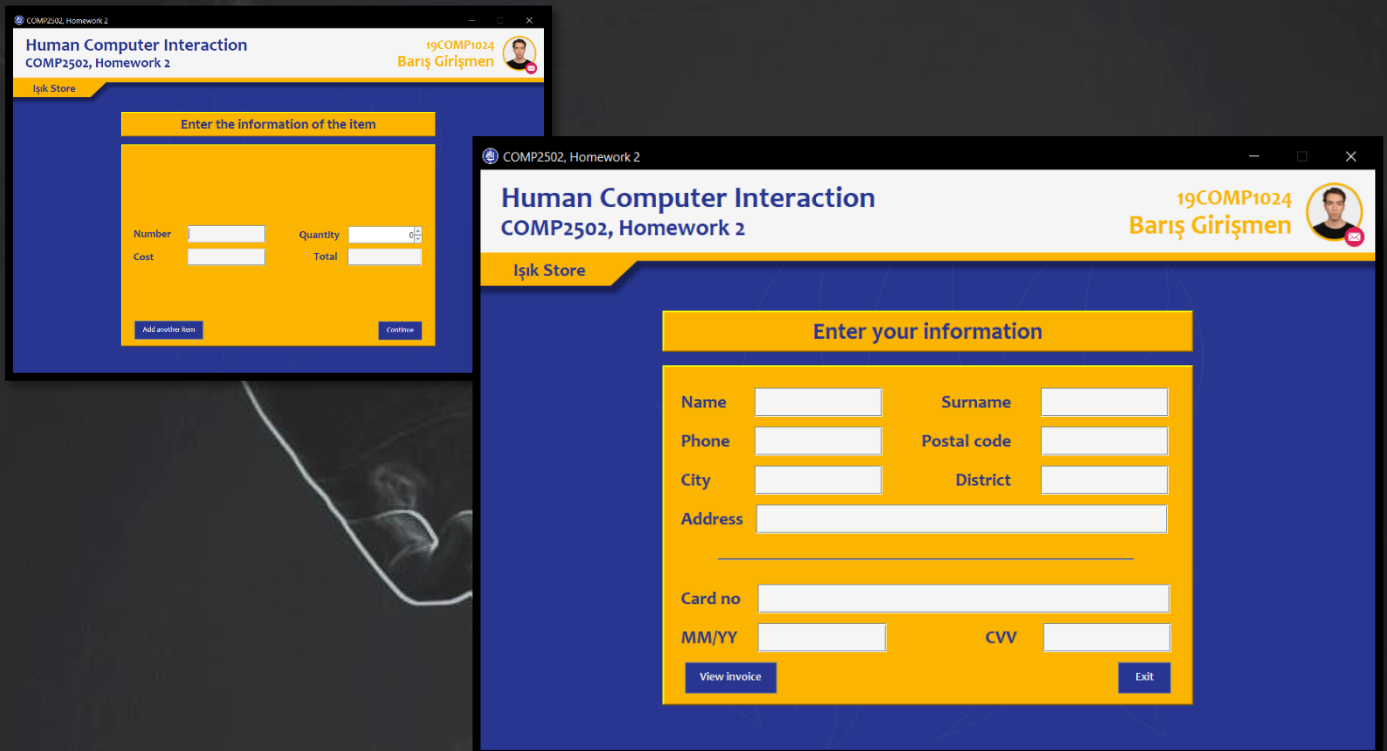Human-Computer Interaction

Homework 2

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Introduction

The aim of this project was to design the two GUI screens given in the homework, using any programming language, APIs, etc. Since Java was the only programming language that I had experience in, I had no choice but to code using Java.

Having the theme of my previous homework, I planned to create a shopping application where the user would enter the information of the item of their choice first, then enter their personal information for shipping, with the choice of viewing their invoice.

As the homework instructions told us to assume as if there is a database which has the information of the user, I did not take any input from the user. Apart from the interface I prepared during my previous homework, I used JPanels to implement this application. The first JPanel is seen at the screenshot above, saying "Enter the information of the item". It tells users what they are supposed to do and changes based on the page user is viewing. Then, the second JPanel under the first one, was made based on the instructions we were given for the homework. It includes options to add another item or to continue with next steps. Adding another item views the same page but with blank text fields to receive different inputs. Continuing shows us the 3rd JPanel, the page users enter their personal information, address details and credit card information. In this page, users also have the ability of viewing the invoice of their order. Lastly, I exported this homework as a .jar file to help you load it without importing its source codes.

Example Scenerio #1

Assume that you are purchasing notebooks. The catalog number of the notebook you are purchasing is 575. Each notebook costs 10 in your currency and you are purchasing 7 same notebooks. At the end, it costs 70 in your currency.

For this example, you will be purchasing one type of item only. Clicking "Continue" after entering the fields above will take you to the page where you enter your personal information with fiels such as name, phone, address and credit card number. When your payment is done, you can either exit or click "View invoice" button.

If you choose to view your invoice, it will be shown as in the screenshot above. Values were not obtained since the homework instructions told us not to use an SQL database.

Example Scenerio #2

Imagine we want to purchase 5 Kg apples which is approximately equal to 30 apples. Considering each apple costs 1.25, 30 apples will cost 37.5 in total.

Let's add 1 Kg banana to our basket in the following step.

Assuming each banana costs 2 in our currency and 9 bananas equal to 1 Kg, it will cost 18 in total.

So, we will continue with entering our billing details. In the end, our payment will cost 5 Kg apples + 1 Kg banana = 37.5 + 18 = 55.5 in our currency.

We can either view our invoice as seen in the screenshot or exit the program.

Again, values were not obtained as it was not stated in the instructions of our homework.