**Virtual Shopping System**

**Documentation**

**About Team**

The team S.K.S.H is the group of four students Salman, Kashan, Shehrooz and Hasan of 2nd Year of Software Engineering from UBIT (Umaer Basha Institute of Information Technology) the well-known department of IT.

**About Project**

Virtual Shopping System is the concept of online shopping in which you can shop with just one click. Our tagline says everything.

*“Just click and shop”*

**Experience during the learning of OOP**

We are here to share with you the experienced we had throughout the semester and the entire time during the project of OOP (Object Oriented Programming) concepts.

We had the time interval of around 3 to 4 months with theory of OOP but on the serious note we knew nothing. When we were having the class we just sat in the class and just copy the notes, beside this we had no idea what’s going on but as the time passed and we got to know about the concepts of OOP and got to know what OOP is actually and what is the rationale behind the importance of it.

*“Be the Object Oriented is very important.”* What does it mean?

It means that your thinking just not be lying only on the conventional programming. You have to be object oriented means just look around the world and think about it. Every real life thing is an object.

**Project**

When it’s time to choose the project which should be different from all other projects and would be appreciated if it would not be the same as of senior’s projects, we had almost more than one month to present the proposal of our thoughts which we have to present as a project. At first as our mind were not built as Object oriented we decided to keep the project simple and decided to make a program of Binary System. Our minds were set to present the proposal to our Professor. At the last moment we realized that the thing we are going to present in front of the professor is not an Object Oriented so we don’t know why we just had a few minutes meeting we cancelled our plan and just had an idea to develop a software of Virtual Shopping System. We don’t know why we did this but somehow we draw the UML and presented our idea to our Professor. At last we were successful to get our proposal accepted.

When the time came to start working on the project there were many different barriers we have to cross like where we have to work how much time we can give at a time to a specific part of project and many more.

In this Project there were some limitations we have to follow.

* Instead of Database we had to use filing.
* For User Interface Instead of swing we had to use Java FX which is much more complicated than the Swing but it is the newer language.
* We had to cover almost all the things and theories which we were taught in the class.

For the first time we were going to make a big project and we were so nervous that how will it happen but we had one thing in our mind that we had already taken the project and we have to do it.

We all know that this was our opportunity to make our programming skills strong so our first rule of the team was every single code should be written in the presence of everyone.

Initially we had many problems in writing code because we were not used to write code. We faced many problems like Filing in which we couldn’t understand how to read and Write file means to take input from the customer and save in the file as we do in the data base. To sort this kind of issues our very close friend Sami helped us. Besides the Filing whenever we want some help he always helped us. We are very thankful to him without him it was impossible to achieve the completeness of the project.

From the first day of working on project we always worked by keeping the specific target that we have to do. Initially it worked very well and we completed almost one third of our project then our pace of working started to decrease as we were having much time but we never stopped to work, we always did something. At some stages of the project there were some errors in the code, and our work was stopped. But we never gave up until the problem was resolved.

During the whole period of time it was our activity that whenever we completed the specific task every day the new version of our project launched from the starting of version 1.0 now we have reached till version 9.2 in the latest build. Whenever the new version was launched, if any member was absent, we used to provide him with the complete change log i.e. what new things were added to the project.

When the Most of the programming was done and only the User interface and Presentation was left to be done we at last distributed the work. Salman was doing the study of Java FX and other two were helping him to implement on the code. Hasan was working on the presentation which was to be present in front of the launching of Project.

When the entire period came to end and the submission date came we all were very excited as we had developed the very first software under the guidance of Dr. Humera successfully and well managed. When the submission and presentation was done we received the positive reviews and much praise from the teacher and Yes! The thing which was very important for us was that our project was now in the list of Top 10 projects. It was selected as the strongest project on the basis of GUI and Code Login by the Teacher.

During the period of programming we just not had the programming session we also had a movie session and lunch every day at Kashan’s house (Thanks to him) where we all were working.

At the end of this project, we all are sure about one thing. That we have learnt a lot in programming. This will surely help us in our future work.

**Screens:**

Following are some of the screenshots of our program:

 

 

 

 