**Comsats University Islamabad, Abbottabad Campus**



**Group Task**

# CHAPTER 1 PROJECT PROPOSAL

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**Subject: OOP**

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## Introduction:

The Medicine Shelf is a free web application under OOSE program.

This provides the most of easiness in the arrangement and deals with the medicine; it also provides the online features for the patients and general suppliers of medicine from different cities and provinces. It also has the facility of providing the services physically. These days in the market, demands for the modern app is in top. Every aspect of life we need to have a complete grip on the management of medicine. This app will have simple use for the admin to search the medicine for the customer through the software. The software will search all the added medicines if available in the stock.

If the medicine is not available, the user will simply add the product to the software in order to be present in the stock. Besides, we have deal with the great medicine supply companies.

This app is generally use in the pharmaceutical centers. The app provides to have record of all the customers to which the medicine is sale and the debts.

## Vision and Business Case:

Our vision for creating this website is to provide better and safe services for the users the one who need the medicine in a remote area that do not have any source for receiving them and as well according to the money transfer this application will provide best options to receive and send their transactions easily without wasting their time.

So this medical shelf will pave the way for their orders and needs that they have with their clinics pharmacies or etc.

And as well this application will help with the pharmacists to have the maintenance and record of their available items and messing items and the items which they need for.

In business side we see Nava days that pharmacy and medicine has a crowded bazar that lots of our businessmen want to invest in this field so by this application they will do their work easily on their finger tips

## Use-Case Model:

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## Supplementary Specification:

These are some Non Functional Requirements as we together in this inception phase. Security requirements are important factors in this system as classified data will be stored in the database. customer validation will be done during login to insure that the user is valid and that the customer only has access to his or her permission data. General users will only have access through the user interface. The system will have consistent interface formats and button sets for all forms in the application, will have a form based interface for all data entry and viewing formats. The system will be easily maintained by authorized trained person and it shall respond as fast as possible in generating report and producing the timetable.

## Glossary:

The Medicine Stock web application is a dynamic mechanism; it has quiet easy friendlier features with a simple dashboard and main features. All necessary terms are excluded and progressed with simple understandable terms and general UI.

## Risk List & Risk Management Plan:

* The medicine shelf is to be develop under a specified IDE, so the IDE is not obvious which one is more preferred.
* An advanced programming language is involving for its backend development, for now we have java, so the concept of advance JAVA is not clear to us.
* A desired database is another risk under which the software has to be developed. For now, we are the fresher for the data storing and managing.
* **Malware**

Digital hackers are watching your every move and trick you to download malware and take control of your computer remotely. They use malware to attack computer networks to perpetrate crimes. Fraudsters use virus, malware, spyware, spams, and phishing to gain access to your sensitive personal information and commit financial crimes. Defend your data against malware through secure servers, whether physical or in cloud, and shield against vulnerabilities.

* **Theft & Loss**

Unauthorized users without permissions who have access to sensitive data can cause harm to educational institutions as a result of theft. There is a risk of the sensitive academic data will be leaked by staff. It becomes easy to lose your storage media with backup data due to misplacement or theft. When you suffer data loss due to various incidents such as mechanical damage, power failure, software crash, disasters or loss of your laptops and mobile devices, it is another way of inadvertent data exposure. Keep all your data safe and secure using role-based access control to ensure confidentiality and privacy.

* **Unsafe data**

If adequate safety precautions are not taken when files and documents are shared in website, smartphones and tablets via internet networks, the information contained on them might gain access to the devices and get exposed to risks. We can make use of cloud deployments to manage the education system better and better.

* **Negligence**

When data is stored in computers or laptops, it has become so natural that people lose the information when files are accidentally deleted or even it could fall into the wrong hands. Ensure a proper backup strategy to keep your data on important devices and run them smoothly without hassles.

* Server related
* Frontend related