

# **TicToc COURIER**

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Student 1

Ahsaan

Student 2

Muhammad Fazal

Internal Advisor: Dr. Sajid Khan

**Sukkur IBA University**  
Department of Computer Science

## **Abstract**

Existing courier services such as TCS, Leopards etc. are providing very professional services to the people of Pakistan. Such kind of services exists all over the world to deliver items of users within optimal time and with security. However, users have to pay a high amount to avail these professional services. Also, packages often are delivered late due to holidays or weekends. TicToc Courier service(TTCS) aim to provide a smart solution to such problems. One of the main idea is to allow every person to register himself/herself as courier after taking some deposit amount from them as security. If a courier is traveling from city A to city B, he/she should post his/her schedule on the app, in such way there might be N number of courier traveling from city A to city B with different schedules of departure and arrival. If a user wants his/her item to be delivered form city A to B, he/she will have liberty to choose any of those N courier to receive his/her item from departing bus/train station to the arrival station. Security measures will also be taken in order to assure the safe delivery of items.

## **1.0 Introduction**

TTCS is an idea to engage people to help other people with negligible amount of effort, within reasonable amount of time and earn reasonable amount of money. This app will help people to receive their items from a city to their destination city with quick service. There will be two kind of users of TTCS:

- 1) Sender/Receiver
- 2) Carrier

If a carrier wants to visit city B from city A, he/she will post his/her schedule of departure and arrival time along with information about arriving and departing bus/train station such as platform/terminal number etc. Suppose if N number of carriers are departing from city A to city B, the app will have schedule of all N carriers. A sender/receiver that wants his/her item to be delivered to his destination of city B from city A will have information about all N carriers and will have liberty to choose anyone among them. Sender will meet carrier at departing bus/train station at least 20 minutes before departure of carrier and process of verification about number of items, type of items, approximate weight, verification and temporary registration of NIC of carrier on sender/receiver front end interface whereas NIC information of sender will be stored in front end interface of carrier for security purpose. Once the NIC information is temporarily reistered along with verification about type of items and their weight, a unique code will be send to sender via sms that he needs to enter to the front end user of carrier if he/she agrees about the entered information about the sending items. After code is entered, payment will appear on front end screen of carrier that sender or reciever must pay in order to provide facility of payment from both sender and receiver end. After the payment is made in case if sender wants to pay or if sender agrees on the amount that receiver has to pay, the process will be initiated and sender will get a unique code that he needs to enter when he/she agrees that all the entered items are received in appropriate condition. If items are damaged, carrier will be fined and fine will be deducted from the deposited amount.

## **2.0 Background and Problem Identification**

In existing Courier Services, people have to pay the more than sufficient amount of money [1] even for the single sheet of paper (CNIC, bank\_check etc).

They need to go to take out time from their busy schedule to the offices for their request that they want to proceed or most probably we need to take out the time for receiving purpose of the stuff we requested for visiting their offices.

On the contrary, people don't get their stuff by the time of their desire but by the will of courier services, whenever their van got full than it's departing to a destination starts which require at least two days.

These sort of problems cause the serious situation which effects the wastage of time, money, covering greater distance for request.

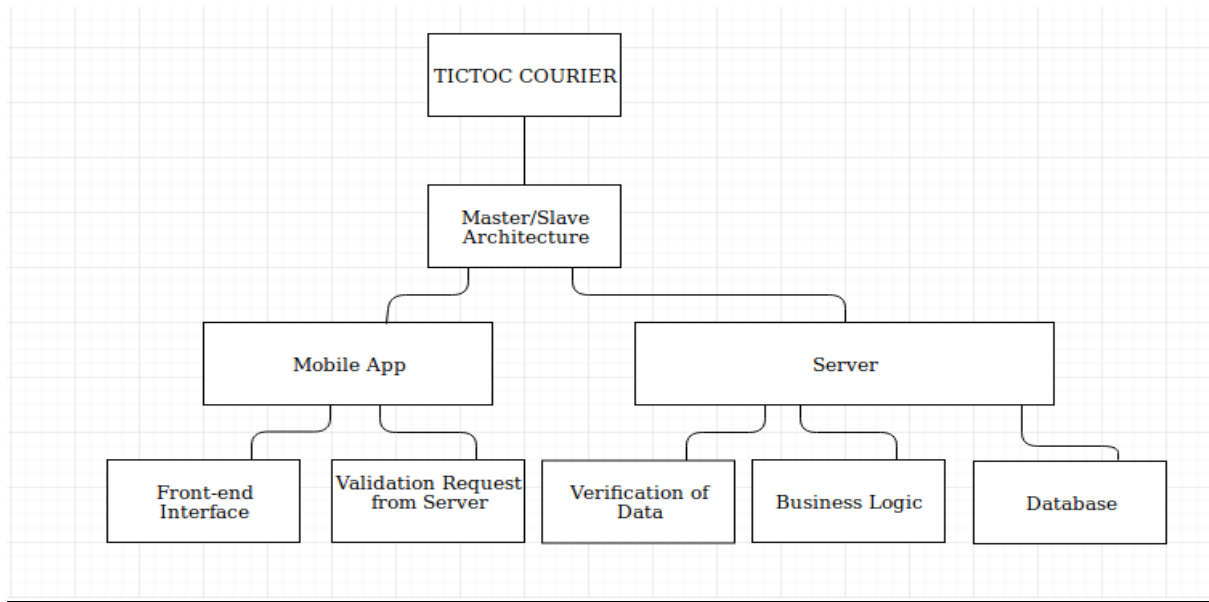
### **3.0 Proposed Work and its Methodology**

- App will be comparatively faster.
- Relatively minimum charges.
- Feasibility of choosing different ways of services.
- Study of android studio (3.2.1 for Linux 64-bit (1007)).
- Study to generate random numbers efficiently that won't repeat.
- Compatibility of different screens.
- Learning of JAVA and XML languages.

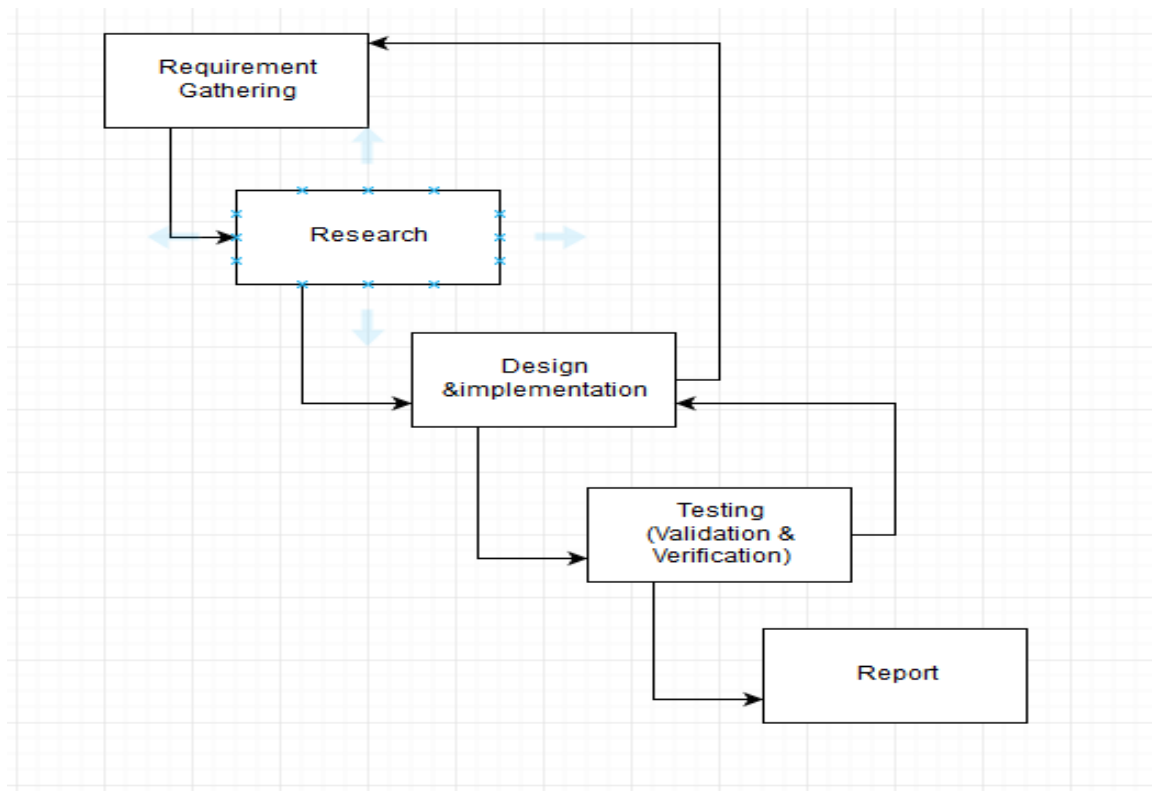
### **4.0 Conclusion(s)**

This project would provide to study, understand, grip of android studio [2] and its segments, the essence of java and knowhow of XML language [3] and how to make uni-system based on different areas of it and incorporate all those absorption in that App.

### **5.0 Project Management**



## 5.1 Work Flow Chart



## 5.2 Project Break down

Topics	Group Members
Survey from customers of courier services	Ahsaan & Muhammad Fazal

Study and Research	
Understanding the deep learning of android studio	Ahsaan
Gathering in-depth information about available libraries.	Ahsaan & Muhammad Fazal
Sorting out different options/alternatives(from resources on internet)	Muhammad Fazal

Design & implementation	
Aesthetic Design under the umbrella of HCI	Ahsaan & Muhammad Fazal
Creating User Interface.	
Analyze the design and implementation principles	

Testing	
Follow the OOP principle	Muhammad Fazal
Testing the App and its functionalities according	Ahsaan

Report Submit	
Thesis writing.	Ahsaan & Muhammad Fazal

### **5.3 Tools Required**

- Android Studio (3.2.1 for Linux 64-bit (1007MB)).
- Smart Phone
- Java

### **5.6 Project Feasibility:**

Articles and research papers will be studied in order to have in-depth detailed knowledge of courier services[5]. These research papers will be provided by the external. Moreover, thorough knowledge and experience will be gained according to the some constraints. For example , technical,time and profitable feasiblilties we take into account

- 1.It is easy to make there are IDE available name as Android Studio
- 2.It is estimated already the documentation and the implementation would be enough within one year.
- 3.Its is profitable if we commercialize the project by the active user on the App and advertisements we allow on it by setting appropriate amount of money.

### **6.0 Reference(s)**

- [1] <http://tcscouriers.com/pk/Services/ServicesDetail.aspx?ServiceId=60&CategoryId=1><https://www.java.com/en/>
- [2] <https://developer.android.com/studio/>

- [3] <https://www.quora.com/What-is-the-best-website-to-learn-XML-for-Android>
- [4] <http://www.itechsoul.com/top-10-most-popular-worldwide-and-local-courier-services-in-pakistan>
- [5] <http://tictoccourier.com/>