METU CENG491 2015 FALL

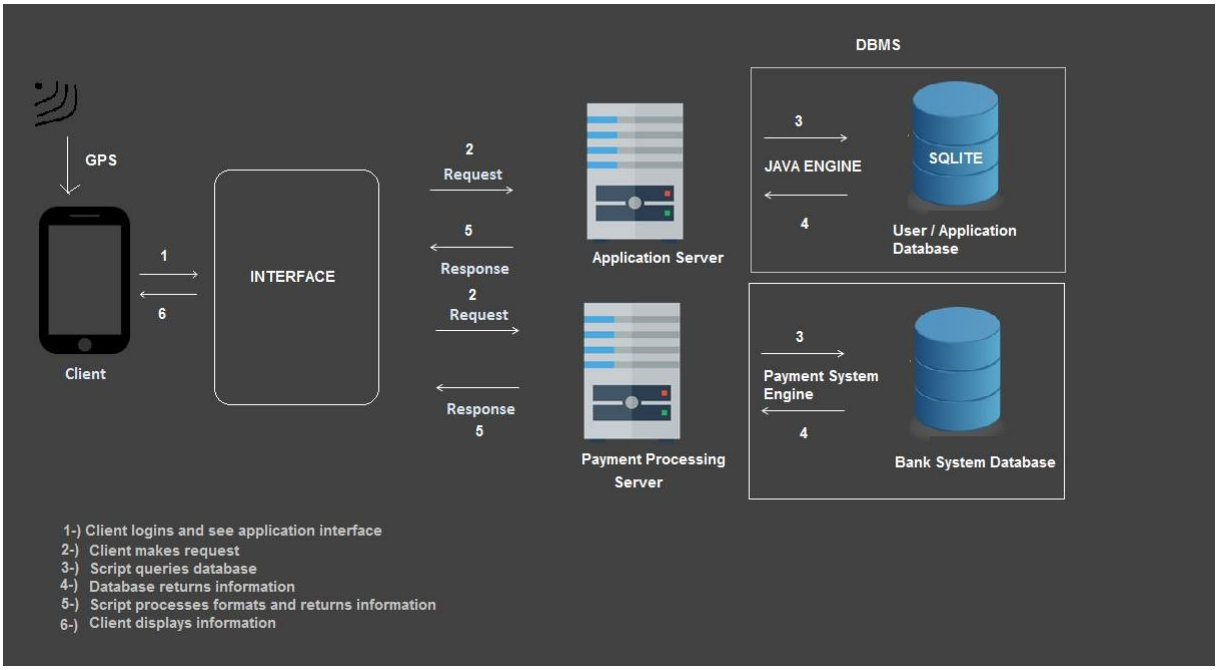
START-UP DOCUMENT

<UID>

Group Name: *$anal Tragedy*

Project Name: ***Tradegy***

1. System Architecture



GPS Component:

To get location information from mobile devices, in order to use it on our project. This component also needed for filtering clients from database by closest location.

Interface Component:

Main visual interface which user will see when logged in to the application. This interface consist of log-in page, shopping page and swipe technique interface. Basically it will set a bridge between user and server. This components grants application abstraction.

Application Server:

Clients and our application is connected via this component. This component will wait for requests from interface, then respond this request in certain ways.

Payment Server:

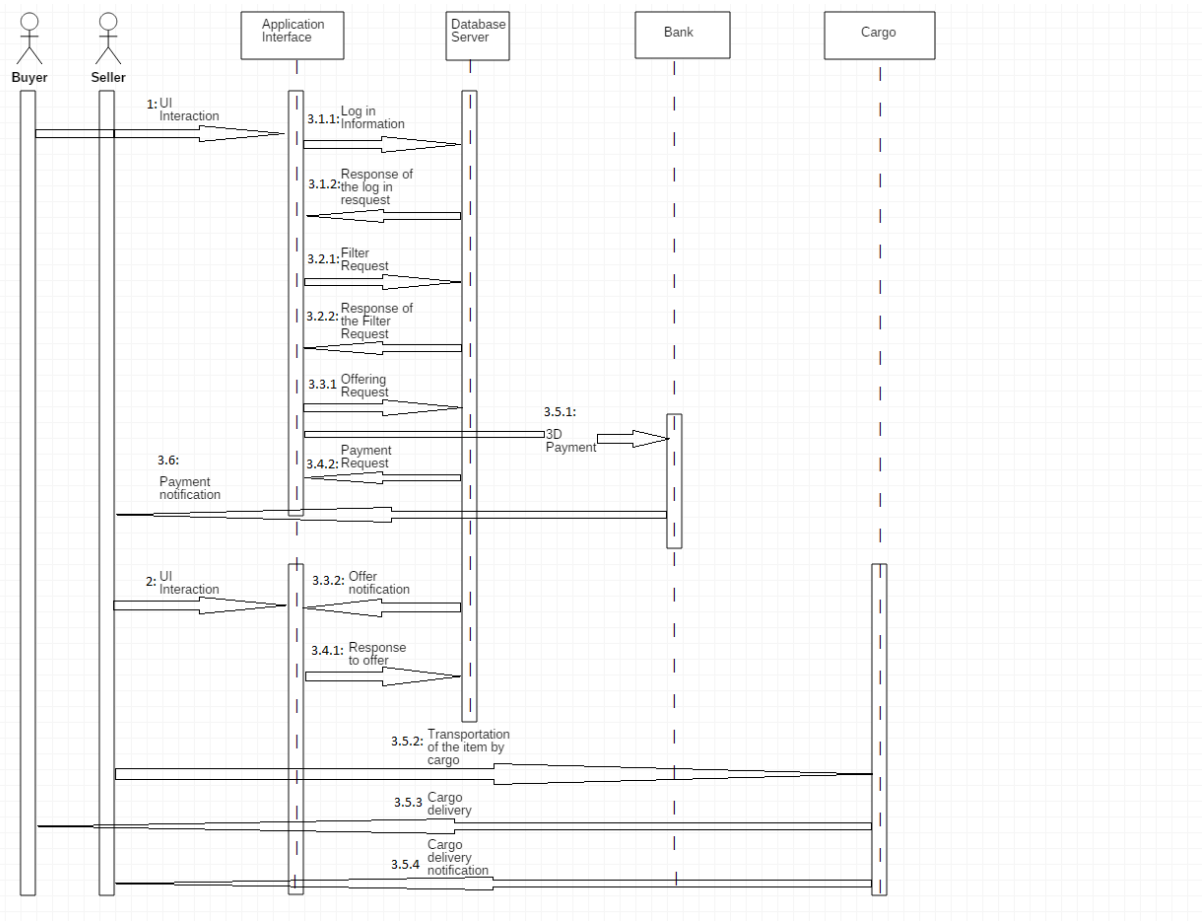
Clients and payment system providers connected via this server. User will be able to pay for the item safely with credit card, Paypal etc. as he decides to pay for it.

User/Application Database:

User data and system administrators data will be held on this database. From lo-gin information's to product information everything will be held here.

Bank System Database:

User credit card information is kept here. This database will be controlled by payment system providers and will be highly protected.


Buyer
Seller
Application Interface
Database Server
Bank
Cargo
1: UI Interaction
3.1.1: Log in Information
3.1.2: Response of the log in resquest
3.2.1: Filter Request
3.2.2: Response of the Filter Request
3.3.1 Offering Request
3.5.1: 3D Payment
3.4.2: Payment Request
3.6: Payment notification
2: UI Interaction
3.3.2: Offer notification
3.4.1: Response to offer
3.5.2: Transportation of the item by cargo
3.5.3 Cargo delivery
3.5.4 Cargo delivery notification

2. Tentative Time Plan

TaskID	Short Name	Description
T101	Creating the database server	The database that will include user information , item information will be created. The functions that will operate on these will be coded.
T201	GPS integration and Filtering	Filtering of the displayed items will be handled according to filtering options the item kind, distance of the seller which will be GPS related etc...
T301	Safety, security and optimization of the database	To do the operations like signing up user, adding item , filtering items in fastest and most secure way the database will be optimized and security of both client information and database will be handled.
T401	Creating the interface	The interface which will control the functions that will do the operations on database will be written.
T501	Design and integration of swipe technique	Appearance of the application will be finalized, the application will be prepared to used by user and take place in market

	Iteration1	Iteration2	Iteration3
T101	■		
T201	■	■	
T301		■	■
T401		■	■
T501			■

3. Deliverables

Deliverable	Description	When? (Sprint#)
Database server	The database that will include our user and item information and the functions that operates on them will be ready for presentation.	Sprint 1
Application and interface	Application will be ready to operate in database, the operations created before will be integrated to program.	Sprint 2
The product	The product that can be used by a user will be ready and it will be able to put on market.	Sprint 3

4. Workload Distribution

	Sprint - I	**Sprint - II**	**Sprint - III**
Hasan Umut Orman	T101 , T201	T201, T301, Application and interface	T301, T401, The product
Saygın Sarıoğlu	T201 , Database server	T301, Application and interface	T401, T501
Sercan Hocaoğlu	T101, Database server	T401, Application and interface	T501, The product
Kadir Can Buldurucu	T101, T201, Database server	T201, T301, T401	T301, T501, The product