High Level Design

Our project mainly focused about making a simple interface for the user to communicate with the market server, In which he can sell, buy, cancel, show information about commodities and bids.  
  
In order for the user to communicate the market we build friendly interface that the user can use who have the next options:

**In the main menu we have:**

**AI**-when the user press it he activate algorithm witch buy and sell automatically and earn profit for the user with the funds he already have. Sql query Update – we used the provided sql server in order to upgrade the function of the AI algorithm.

**Requests**- when he press it, it open new window with all the options that the user can communicate with the user:

* Sell request
* Buy request
* Cancel request – in addition to a single request, the user can delete all the active requests, if one of them has already been performed, the system notify the user.
* Query sell/buy request
* Query user request
* Query market user
* Query all market request
* Query user requests request

**History** – show all the previous actions made by the user and AI, can sort by . Can save as a pdf file.

**Statistics** – it shows 4 graphs:

* Average price per Commodity
* User - Buys/Sells
* Sums Of all sells for the past Week
* Min and Max Sell price in the whole market history.

**Credits** - it shows a list of the people who made the project