**Food Order Center – Requirements Doc**

1. **System Objectives**
   1. Food order center is a client server application which allows managing food order services for companies and restaurants.
   2. The system will be implemented using java.
   3. The system has web client and android client.
   4. Google services will be used as much as possible.
   5. The system simplifies the process of money handling for both the companies and the restaurants.
2. **System Context**
   1. JDK 1.6 will be used for java developing.
   2. Android sdk (api-10) will be used to implement the android client.
3. Google app engine (1.7.3) will be used to host the service and web client
4. Google web toolkit (2.5.0) will be used to generate the web client.
5. Google web toolkit (2.5.0) will be used as light weight RPC for the android / web client.
6. Google data store will be used for the data base.
7. Google JDO-3 will be used for accessing the data store.
8. Google ids will be used to identify users.
9. User account has one privilege, and for user with many privileges, he will have the same number of accounts.
10. A user without the appropriate access will not be able to access the screen nor do any operations which he doesn't have the privileges to.
11. **Functional Requirements**
    1. Admin can add or delete a restaurant network
    2. Admin can search for a restaurant network and do all the operations of the network admin on each of the networks
    3. Admin can add or delete a company.
    4. Admin can search for a company and do all the operations of the company admin on each of the companies.
    5. Network admin can manage the restaurant menu.
       1. He can add default courses to the menu.
       2. He can delete default courses from the menu.
       3. He can set the default prices to courses.
    6. Network admin can add a restaurant network branch.
    7. Network admin can search for a network branch and do all the operations of a network-branch-admin on each of the branches.
    8. Network admin can set the network name.
    9. Network branch admin can manage branch options.
       1. Set the type of the courses in this restaurant: milk, meal, kosher.
       2. Set the service types of this branch – deliver, take away.
    10. Network branch admin can manage branch menu.
        1. He can add branch courses to the menu.
        2. He can add prices to courses for this branch.
        3. He can delete courses from branch menu.
        4. He can restore branch menu to default network menu.
    11. Network branch admin can manage branch employees.
        1. He can add a new waiter.
        2. He can remove a waiter.
        3. He can add new chef.
        4. He can remove a chef.
    12. Network branch admin can get the list of all the handled courses for each of the companies and print them.
    13. Company admin can add or delete company branches.
    14. Company admin can search for a company branch and do all the operations of a company-branch-admin on each of the branches.
    15. Company admin can set / change the company name.
    16. Company branch admin can set the base budget for all the company employees.
    17. Company branch admin can set the type of applicable services which his company allows (delivery, take-away, order).
    18. Company branch admin can manage his employees
        1. He can add or remove an employ.
        2. He can set employ extra budget.
    19. Company branch admin can get the list of all the orders made to each of the restaurants in order to check how much money he has to pay.
    20. Company branch admin can get the list of all the orders made by each employ and print them.
    21. Employ can search for a restaurant.
    22. Employ can order from a restaurant (according to the service)
    23. Employ can check his order history and save it (send to his gmail).
    24. Waiter can add or remove users from/to a table
    25. Waiter can place an order for each of the users in the table.
12. **Non- Functional Requirements**
    1. Performance
    2. Look and Feel
       1. For each privilege the clients has its own screen, and each screen will have different options.
       2. Once the user opens the android app/ web client and he is not logged in, he will login using his Google ID and password.
       3. Once the user opens the android app / web client if he was already logged in, it will take him to the main screen.
       4. Network branch admin gets the list of all the orders with the prices according to start and end date, in order to make sure he gets his money.
       5. Company branch admin get the list of all the orders for a date by employ name, or by network branch name.
    3. The restaurant kitchen has a computer which can be logged in as chef's account.
    4. The restaurant office has a computer which can be logged in as a branch admin and has a printer.
    5. The users will be able to order using android phone, or by giving an order to the waiter at the restaurant.