SoftRUNNER – Weekly Progress Report

This week we have speed up design, and done many things in that way. First of all, at last we have decided to use C# .NET as our development platform. In previous weeks, we were searching about C# and Java, but we could not decide with which one of them we should implement our system. In order to be able to use .NET technologies, we concluded that C# is better. But that's not the only thing we have done this week. We have also worked on our website, and it is very near to finish. It will be available at one of our Ceng accounts until Tuesday.

In the means of technical business, we have thought about a critical change in our system. We have decided to add a new user type which is Configuration Manager who signs up to our system as his/her company, and he/she is responsible for all projects of that company. He/She can add a new project, delete an ongoing project, assign project manager to newly added projects, and besides these features he/she can also be a standard project worker. So, with this new user type, now we have four user types. Let us tell the roles:

- Configuration Manager: For a company, a person (we call it CM) signs up once, and all the projects of that company are under his/her responsibility.
- Project Manager: For every project, there must be one project manager (we call it PM) who is assigned at the beginning of the project by CM of that company. He/She can update the details of the project besides just viewing it, and also he/she can add administrators and standard users to that project.
- Administrators: They are assigned to a project by the PM of that project. They are authorized to make changes near just viewing the details.
- Standard Users: They are also assigned by the PM's of related projects, but they are authorized only to view the details of the project, not to edit them.

By the means of those four types of users, we have divided our design into five modules which are:

1. Login Module
2. Configuration Manager Module
3. Project Manager Module
4. Administrator Module and
5. Standard User Module

Since our roles and modules are ready, we have begun to write pseudo codes in order to fix the scenarios. But to be able to do this, we must think on the user interfaces, so at the same time with pseudo codes, we are trying to fix the user interfaces. And with the structure of pseudo codes, our UML classes have begun to be formed, and we have started to work on it.

Since there are some modifications in our database structure and model, and use case scenarios, we have started to update Use Case Scenarios, Data Flow Diagrams, and Entity Relationship Diagrams.