**Software development**

Every system in its early development must follow some kind of Development process in order to get a good results and ensure high quality system. As the project was established it was also agreed that the agile development will be used to plan and develop current web application. The development process was chosen based on the following facts:

Facts based on the group:

* Newly founded
* Lack of mutual chemistry
* Lack of experience
* Lack of experience working together
* Struggle of estimating time on project

Other facts:

* As a project requirement agile development is the must
* System requirements are not clear
* System does not require high level security
* Small system
* All the features may not be implemented
* Requirements may often change

As described above the group was founded at the beginning of the semester as a result of two groups splitting up. This indicates that the group lacks mutual chemistry and experience working together. It also affects the time estimation on how many features can we implement in the system until the hand in. Also the group lacks experience in coding. The idea of the web application was generated by the group which means that it won’t have a customer which will constantly provide us with feedback and the group will have to solve all the problems itself and that means the requirements will change very often. The time for the project is not that much which also will not allow the group to do all the features only the most important ones. Considering all these facts it is more than clear that plan-driven development (the most known “Waterfall”) would not suit this application as a result of lack of time, requirements, the application should be quickly produced with useful operations even if it’s not completely done. It all points to the agile development. It is the most suitable process for this project and for the study purpose it is also a requirement for the 3rd semester’s project.

The agile methods that will be used are Scrum combined with XP. The Scrum will let the group members to develop the application by iterating through sprints. Which will provide with working functions after every sprint and will allow the group members to discuss the further plan. XP will help with group chemistry, experience exchange between group members and will lay down some ground rules for the group members by using its 12 practices.

The Kanban method was not chosen based on the facts that there are only 4 group members in the group and all the group members should take a part in every task of the project, members are not that experienced and there should be more rules laid down to discipline them.