# Cycle 1

## Intended

The intended goal for Cycle one by me was to complete the database design and implemented it using LINQ. Additionally we had to populate the completed database with test data.

## Completed

In Cycle 1 an initial version of the database was designed and implemented. The database was populated with test data intended to cover any trivial and most unexpected cases that can arise in an event database.

The database access layer was implemented using LINQ. LINQ is a static representation of the database. It provides you with a way to program databases in an object oriented way and gives you the functionality of Intellisense. The reason we used LINQ is that when you add a new table or update the structure of the database, you only have to recompile the LINQ object and as long as you have not removed a field from the database you do not have to change the source code that uses the LINQ object.

We managed to finish the design of front-end interfaces as planned. All the reusable modules were encapsulated into different user controls, though the dynamic data sources were not implemented. At the end of cycle one, login functionality was implemented, the user could already log in/out on the website, but it worked only for Firefox and Chrome.

### Delayed

Most of the database was implemented in Cycle 1. The delay for implementing the full design was caused by insufficient knowledge of what some of the functionalities would require be stored in a database.

# Cycle 2

## Intended

The intention was for all back-ends and front-ends to be completed.

## Completed

We were able to complete only the code behind for the front-ends.

Work was primarily done on the code-behind, to make the web-pages work, shopping cart was implemented, user registration, and also profile system. Work on validating user input was completed. Several classes were created to expose common functionality through the website on a global scale.

The JavaScript code for front-end was revised and extended to achieve the compatibility for Internet Explorer.

## Delayed

All the back-ends were postponed for Cycle 3. This delay was caused by our miscalculation of the time we would need to complete them, and primarily from lack of time.

# Cycle 3

## Intended

The goal of cycle 3 was to finish the code behind for front-end, implement the back-end, make necessary changes to the Data Access Layer, and restyle the front-end for better usability.

## Completed

In this cycle we finished the code behind for some user controls which were not completely made dynamic in Cycle 2. We also restyled the whole front-end, because the colors we used were too light and it reduced the usability.

Back-end was implemented in Cycle 3, with the functionalities of adding new institutes, adding new administrator to the institutes, adding new events, editing existing events.

On top what we had from Cycle 1, Data Access Layer was modified and extended to meet the requirements of the application.

PayPal payment solution was implemented, from shopping cart page the visitors can check out and pay for the events through PayPal, and after the payment they will be redirected to the WebShop.

# Working as a group

## Dimitar Kolev

At first, working as a group was unintentionally halted by our separation as individuals and our illusion that a group work can be done individually, but as Cycle 1 was completed we understood the error of our ways and corrected our behavior by implementing better communication and working in group meetings and/or through chat clients like: Skype and MSN.

## Jiening Wen

In Cycle 1 and the beginning of Cycle 2, we had only regular group meetings per week for discussion and dividing tasks, it turned out this level of communication is far from enough for us to collaborate and we had to delay the planned schedule. After that we found out the problem and we tried to arrange all the group member working together for couple of hours per week and had more communication through MSN. It helped a lot in our progress and thank to it we managed to finish the project in time.

# Reflect on group members

## Dimitar Kolev

### Jiening

Good at programming.

### Arya

He should start giving ideas. He does not mind working.

### Attila

Thorough .He should spend less time on learning about a feature and more time on making it work.

## Jiening Wen

### Attila

Good at designing but he should concentrate on the project more in general instead of on some certain functionalities. Also as a group leader, he should organize and motivate the group better.

### Arya

Good at programming but could be more active.

### Dimitar

Good at programming and always willing to help other group members.