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Martin Zuber

b00066378

Group project Diary

Fantasy hurling

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## Week 1 (September 15 – September 21)

**What was done?**

* David Kelly and Michael James were chosen as this group project collaborators.

**Who did what?**

* We began discussing what kind of technologies we like and what kind of project we wish to implement
* We discussed who should supervise our project

## Week 2 (September 22 – September 29)

**What was done?**

* We chose Luke Raeside to supervise our team.
* Each of us began to note down some thoughts on the type of application.
* We decided we would do a fantasy hurling game web application with social media integration.

**Who did what?**

* David drew up a list of players and teams.
* I researched current fantasy hurling games and explained it to Martin who was unfamiliar with the concept.

**Resources I used**

* Fantasy football websites for research, the GAA website for player names.

## Week 3 (September 30 – October 7)

**What was done?**

* Luke become our project supervisor.

**Who did what?**

* We began discussing the technologies involved in web development.
* We all began working on our individual scope documents.

**Resources I used**

* Internet as a source of initial information on web development process and methodologies.

## Week 4 (October 8 – October 15)

**What was done?**

* Research on how to write Project Scope section of this project documentation.
* We did some initial research on SDLC methodologies.

**Who did what?**

* David began thinking about web site design, researching methods and technologies
* Michael started to research social networks and web technologies.
* I began researching SDLC methodologies.

**Resources I used**

* Internet as source of information.

## Week 5 (October 16 – October 23)

**What was done?**

* Research on how to write Project Proposal section of this project documentation.
* We made final decision on work division.
* David: Web design
* Michael: Front-End development.
* Me: Back-End development.
* I started specific research on modern back-end development methodologies and technologies.
* Decision was made to follow Prototyping SDLC methodology to develop this project.

**Who did what?**

* Each of us started to focus on specific research of technologies involved in his part of work.

**Resources I used**

* Node.js documentation
* Web Services on Internet

## Week 6 (October 24 – October 31)

**What was done?**

* Research on how to write Literature Review section of this project documentation.
* Research on Version Control Systems.

**Who did what?**

* All three of us had research paper topics to choose.
* We met up to discuss how each of our topics may benefit the group and its project as a whole and decided to choose topics based on this.
* I did learn how to use GIT version control system.
* I did some research on cooperative writing.

**Resources I used**

* Github.com
* Internet

## Week 7 (November 1 – November 8)

**What was done?**

* Final decision on Version Control System was made and we decided to cooperate on this project using GIT and GitHub.com
* GitHub repository was established and local repositories initialized.

**Who did what?**

* Each of us continued to research his specific topics.
* Michael established GitHub repository and I have learned advanced GIT functionality.
* My research on back-end development is focused on Web API services.

**Resources I used**

* GitHub help page
* Various Web API tutorials with php, node,js and ASP.NET

## Week 8 (November 9 – November 16)

**What was done?**

* Work on Analysis and Design documentation started.
* Final decision to build Web API was made.
* Research continues.

**Who did what?**

* Each of us continued to research his specific topics.
* Each of us starting to write his part of Analysis and Design documentation.
* I extended my research on deployment options which lead me to cloud computing.

**Resources I used**

* Internet, specifically Web API tutorials and Microsoft Azure Cloud documentation.

## Week 9 (November 17 – November 24)

**What was done?**

* Work on Analysis and Design documentation continues.
* We designing prototypes for database, controllers and front-end models
* Use cases are being defined and UML graphs are getting made.
* I decided to deploy this project up on Microsoft Azure Cloud
* Cloud account is signed-in

**Who did what?**

* Each of us continues of his own specific research.
* Each of us is working on his part of Analysis and Design documentation.
* I signed-in to Azure Cloud and learned how it’s used.
* I continue to find out the best way to build Web API service.

**Resources I used**

* Internet, UML tutorials, Web API tutorial, Azure Cloud Documentation.

## Week 10 (November 25 – December 1)

**What was done?**

* Work on Analysis and Design documentation continues.
* Coding of prototypes starts.
* Decision to build Web API using is made.

**Who did what?**

* Each of us starting to code prototypes locally and commit the work in progress on upstream GitHub repository: <https://github.com/Michaelcj10/Fantasy_Hurling>
* I installed Visual Studio 2013, deployed Azure data store for project database and Deployed web server for Web API.
* I started to research Web API .Net and Entity Framework and started to build the database and code Web API: <https://github.com/zubidlo/FanHurApi>

**Resources I used**

* Internet
* Designing Evolvable Web APIs with ASP.NET book

## Week 11 (December 2 – December 9)

**What was done?**

* Analysis and Design documentation finished
* Coding of prototypes continues.

**Who did what?**

* Each of us continue to code.
* I deployed the database on the data store and first Web API prototype
* I feel more comfortable working with Visual Studio 2013 now.

**Resources I used**

* Internet
* Designing Evolvable Web APIs with ASP.NET book

## Week 12 (December 10 – December 17)

**What was done?**

* Coding of prototypes continues.
* As changes in design are made documentation is updated.

**Who did what?**

* Each of us continue to code.
* I’m adding controller prototypes one by one.
* I started to work on database administration web page which will allow access to CRUD methods.

**Resources I used**

* Internet
* Designing Evolvable Web APIs with ASP.NET book
* Various tutorial on JavaScript, jQuery and Microsoft Sql