

project plan

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# Client

The client is the company “DuelSync” who wants a website and a desktop application for their needs with managing sport tournaments.

# Team

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Function | Contact | Representing |
| Arenco Meevissen | Main developer and main representative | [479450@student.fontys.nl](mailto:479450@student.fontys.nl) | S2-CB02-A |

# Current situation

The solution that “DuelSync” wants needs to be built from the ground up, They already have the needed servers already up and running so there is no need to configure this.

# Problem description

The current problem of DuelSync is wants a software solution to allow their customers (sport associations) to manage their sport tournaments. For now, the software must support a round-robin tournament system for badminton2, but DuelSys inc. also wants the software to have the potential to support other types of tournament systems and sports.

# Project goal

The goal of this project is to make an application to allow the customers from DuelSync to manage their sport tournaments. For now, the round-robin tournament system must be supported for badminton. The application is expected to expend further with more sport and tournament types

# Deliverables

* Project plan
* URS
* Test plan and test report
* UML Class diagram
* Software solution (Razor and webform)
  + Source code
  + Unit tests
  + Database

# Non-deliverables

Currently there are no non-deliverables which consist of things the client may want but cannot be delivered.

# Constrains

|  |  |
| --- | --- |
|  | Details |
| Mocking data | The case is simulated and there is no real data. Any data found in the pdf “week 11 Synthesis Assignment” should be used. Everything else can be “fake” data |
| UX | Make sure the software solution is as expected for modern applications; e.g.  proper UX, user feedback, common practices (for example, hide sensitive data such as password), etc. |
| Technologies | C# with Windows Forms and ASP.Net Core Razor Pages; for a web application  you may use a layout framework, such as Bootstrap, but not an ORM. The  database must be a MySQL database. |
| Meetings | Weekly meetings with tutor are mandatory |
| Deadline | Friday 10th of June 2022 before 16.00. |
| Source control | FHICT GitLab (https://git.fhict.nl). Make sure you invite your OOD, WAD &  WKS teachers with the appropriate access (i.e. at least Reporter access). |
| Website | The website should run on Luna server. |
| Database | The database should run on Hera server |
| Submission | Final submission with all deliverables must be submitted on Canvas before  the deadline. |

# Phasing

|  |  |  |
| --- | --- | --- |
| Phase | Description | Hours expected |
| Phase 1 | In this phase the project plan and the URS be (mostly) done. The test plan should be at least at a beginning. | For the project plan the expected hours is around 4 hours.  For the URS the expected hours are around 8 hours.  For the test plan I expect 6 hours |
| Phase 2 | In this phase the URS and test plan should be updated, and the UML class diagram is also done | The updating parts of the URS is expected to take 3 hours.  While the test plan should take another 2 hours to be completely done.  While the preparing of the UML class diagram should take around 6 hours the making of it is expected to take around 3 hours |
| Phase 3 | In this phase we mainly focus on the start of the applications and do the first 2 requirements. The implementing of classes is taken in consideration if it’s possible to make it or if there needs to be adjustments. With the basic unit tests for them | The beginning of this application I think for the web based one is for the template to take around 10 hours which includes the pages and basic design of them. Meanwhile with the webform I think the same basic designs will take around 12 hours because there are no real “master pages” in this type of application.  The implementing of the classes is expected to take around 3 hours to make everything connected.  The basic unit test for the classes is expected to take around 28 hours for all of them while for the requirements that will be done in this week should take around 8 hours with some extended unit tests. |
| Phase 4 | Phase 4 is expected to do the updating of the documents and the next 3 requirements. In the same line with the previous phase the unit tests. | The updating of already existing documents is expected to take around 4 hours.  The 2 requirements I think would take around 8 hours for the first one while the second one should take around 9 hours. While the third one is expected to take around 9,5 hours.  The unit tests for this phase are expected to take around 12 hours. |
| Phase 5 | Phase 5 is doing 3 requirements and the unit tests for them | The 3 requirements I think should take at least around 14 hours. While the unit test for them should take around 9,3 hours. |
| Phase 6 | Phase 6 is about doing the rest of the requirements and extending the unit tests | The rest of the requirements I think should take around 20 hours to finish and the extending of the unit test around 15 hours. |
| Phase 7 | This phase is all about extending the unit tests and fine tuning some of the requirements. | The extending of unit test I expect to take around 12 hours. While the fine tuning should take around 8 hours. |
| Phase 8 | In this phase I expect to do the finishing touches and be ready to present this | I think the finishing touches would take around 6 hours and be ready to present withing 5 hours |