

# Project plan



# STUDY : PROTO

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## 1. Client

Our client is the company Media Bazaar, which is opening their first shop in Eindhoven. It is a hardware store called Media Bazaar. We will contact our client(Frank F.P.H. de Lepper) by using email(f.delepper@fontys.nl) and then set up a meeting using Microsoft Teams where we will conduct our interview .

## 2. Team

Study : proto, we are a group of 4 students, Kwangjin Lee(l.lee@student.fontys.nl), Evaldas Drasutis(e.drasutis@student.fontys.nl), Emilian Alexandru(e.alexandru@student.fontys.nl), and Florin Deleanu(f.florinvalentin@student.fontys.nl) from Fontys ICT program. Our team is specialized in objective oriented development, web application development and databases with MySQL. We focus on how to make life more comfortable in the business field by creating applications. You can contact any of us via email for further questions.

## 3. Current situation

As for now, Media Bazaar is having problems handling employee's information and their stock. The work schedule is saved manually in excel sheets and in google calendars. There are three types of people using the system currently: administrators, managers, and depot workers.

## 4. Problem description

The main concern of the Media Bazaar's management is about keeping track of the employees and the products. Jupiter's administration has a lot of trouble managing employees and stock. Jupiter stores are using online calendars or excel sheets, and the problem there is that it is too detailed and unreliable. They also can't easily access the information and change it or view any statistics about either the employees and the product

## 5. Project goal

We will solve the customer's issue by creating an app which manages employees, assigns work shifts and keeps track of everything.

The client will be able to view and change detailed information about each employee but also keep track of the products that are on the shelves and automatically notify the workers when they are empty.

Aside from this our app will be able to be updated so as to comply with any further additions required by the client. Such additions may include but are not limited to: adding new

department, viewing statistics. Creating a website where employees can view their schedules is also a possible addition

## 6. Deliverables

- An application according to the client's requirements
- Project plan
- Website
- MySQL database
- Test plan
- Process report
- URS
- Prototype

(design,prototype, actual app, improvements)

## 7. Non-Deliverables

We will not deliver every test version of the app unless it is agreed.

The tools that we used to develop.

Multiple language support will not be provided by the app.

- Test report from the other group
- Hardware
- Software specifications
- Multiple language support

## 8. Constrains

- The project duration is 6 weeks
- The windows forms app is going to be coded in C#
- The website will be coded in ....PHP?
- We will use a MySql database

## 9. Phasing

The project is divided into four phases, two of the phases(Phase 3 & 4) have a span of 1 week and the other two phases( Phase 1 & 3) have the span of 2 weeks. At the end of each phase there is a milestone, so there are a total of 4 milestones.

For the first one we need to deliver, by the end of the first two weeks, the proper documentation, the first version of the URS and the finalised Project plan.

The second milestone is at the end of the fourth week where we finish the database and the GUIs of the desktop app and website as well as the final version of the URS.

In the third milestone we will deliver the last versions for both the web and the desktop app together with the test plan and process report.

The final milestone is in week 6, where the finalized version of the website and desktop application is presented.

### Phase 1: Initiation & Documentation(First Milestone)

Duration: 2 Weeks

#### Activities:

##### Creating our identity 1.0

Description:

Establishing a name and a logo for our team.

Estimated time: 1h-2h

##### Interview 1.1

Description:

The first interview with the client in which we'll further address questions to help us develop the project plan and the requested system.

Estimated time: 1h(30min) \* to improve for next time

##### Working on the project plan 1.2

Description:

Creating the project plan.

Estimated time: 1 week

### Updates on the project plan 1.3

Description:

Further improvements on the project plan based on the received feedback.

Estimated time: 6h

### Working on the URS 1.4

Description:

Writing and delivering the URS document.

Estimated time: 3.5 days

### Making Diagrams 1.5

Description:

Creating UML diagrams for the C# desktop application.

Estimated time: 2 days

### The development of the database 1.6

Description:

Starting the foundation for the database design and implementation.

Estimated time: 1 day

## Derivables:

Project plan 1.2 / 1.3

First version of the URS document 1.4

## Phase 2: Implementation(Second Milestone)

Duration: 2 weeks

## Activities:

### Updates on the URS 2.0

Description:

Further improving the URS document based on the received feedback from the meetings.

Estimated time: 6h

## Working on GUI 2.1a

Description:

The development of a functional GUI for the desktop application.

Estimated time: 2 days

## Working on GUI 2.1b

Description:

The development of a functional GUI for the website.

Estimated time: 2 days

## Creating the back-end of the desktop application 2.2a

Description:

Creating the back-end of the desktop application by implementing the classes from the UML diagrams and coding the necessary intelligence.

Estimated time: 5 days

## Creating the back-end of the website 2.2b

Description:

Creating the back-end of the website.

Estimated time: 3 days

## The development of the database 2.3

Description:

The implementation of the database.

Estimated time: 1.5 days

## Derivables:

Last version of the URS document 2.0

Front-end for the website 2.1a

Front-end for the desktop application 2.1b

Database 2.3

//more work on the planning time for us



## Phase 3: Last stand(Third Milestone)

Duration: 1 week

### Activities:

#### Polishing the desktop application 3.0a

Description:

Polishing the desktop application.

Estimated time: 4 days

#### Polishing the website 3.0b

Description:

Polishing the website.

Estimated time: 2 days

#### Creating test plan 3.1

Description:

Writing a test plan.

Estimated time: 6h

#### Test plan and binaries 3.2

Description:

Delivering test plan and binaries to the peers.

Estimated time: 6h

#### Reviews 3.3

Description:

Reviewing the peers and working on the test report.

Estimated time: 6h

### Derivables:

Final version of the desktop application 1.0a

Final version of the website 1.0b

Test plan 3.2

Process Report 3.3

## Phase 4: Presenting (Forth Milestone)

Duration: 1 week

### Activities:

#### Presentation 4.0

Description:

Marking the project as derivable and starting on the final presentation.

Estimated time: 1.5 days

### Derivables:

Project Presentation 4.0