



Project Plan

Music Festival

Group 25

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Client: Jesús Ravelo Sánchez

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Project Statement

Formal Client

--Contact information--

Name: Jesús Ravelo Sánchez

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Team Members

- Ruxandra Antohe r.antohe@student.fontys.nl
- Alina Baciú a.baciu@student.fontys.nl
- Stoyan Ivanov s.ivanov@student.fontys.nl (leader)
- Dylan Muyrers

Current situation

The client is organizing multiple dance music events that include numerous shops and camping spaces for people who will want to sleep for the night and he doesn't have a software application to manage them.

Problem description

Because the event has succeeded in attracting many visitors, it has become impossible to manage it without software solutions. In order for this event to be managed the client needs a number of intuitive and robust software applications that can be used from a large group of people. The client would like to have the following software solutions developed:

- Website
 - ❖ This will allow the user to see the events details, to create an event (if the user is an admin), to go to buy-tickets &

reserve-camping spots pages and to leave reviews about events

- System for buying event ticket
 - ❖ This application will allow users to exchange entrance bracelet (RFID) through e-ticket, or selling ticket for visitors who do not buy tickets on the website.
- System for authorization of visitors
 - ❖ The application of entrance will show visitor's name and status, and use picture to show the status clearer.
- System for keeping track of all borrowed materials
 - ❖ With the help of this application, employees can select items and select the amount number for each item. All selected content will be displayed and the total price will be displayed. In addition, if the balance is below the total price, the system will display an alert.
- System for booking camping spots
 - ❖ Through scanning the RFID bracelet, the employee can see if the client booked some camping spots, and they can also add some camping-spots if there are still available. Another part for this system represent a check-in/check-out.
- System for managing purchases at the event (food, drinks)
 - ❖ This will allow employees to select an item and enter the item number to be sold via the numeric keys.
- Analytics system for the event organisers
 - ❖ Employees will be able to see the status of the event: total visitors, total balance of all visitors together & total spent money, total money sold per shop, total amount of a certain product sold.

Project goals

The main goal of our project is to figure out the best software solutions to fulfill our client's needs while developing ourselves as a better team. We

would like to gain more knowledge and polish our skill set while we face and overcome different challenges throughout the project.

- Website for buying tickets, reserving camping spots, leaving feedback and managing events
- Application, which will have different software programs:
 - System for buying event tickets
 - System for authorization of visitors
 - System for keeping track of all borrowed materials
 - System for booking camping spots
 - System for managing purchases at the event (food, drinks)

Deliverables

In order for this event to be managed the client needs a number of intuitive and robust software applications that can be used from a large group of people. The client would like to have the following software solutions developed:

- Website for managing events:
 - ★ Creating a new event (if the user is an admin)
 - ★ Buy tickets, reserve camping spots and create an account
 - ★ See details about the events
 - ★ Leave reviews
- System for buying event ticket
 - ★ Exchange Ticket Function
 - ★ Ticket Sale Function
- Authorization of visitors
 - ★ Scanning and verifying the visitor's identity
- System for keeping track of all borrowed materials
 - ★ Loaning function
 - ★ Return function

- System for booking camping spots
 - ★ Verifying if the visitor booked camping spots in advance and booking them now if there are available.
- Manage purchases at the event (food, drinks)
 - ★ Adding selected items and amount to be sold and show the order information on the panel.
- Analytics system for the event organisers
 - ★ Check in Status
 - ★ Visitor Information
 - ★ Camping Check in Status
 - ★ Financial Status

Non-deliverables

- Source Code

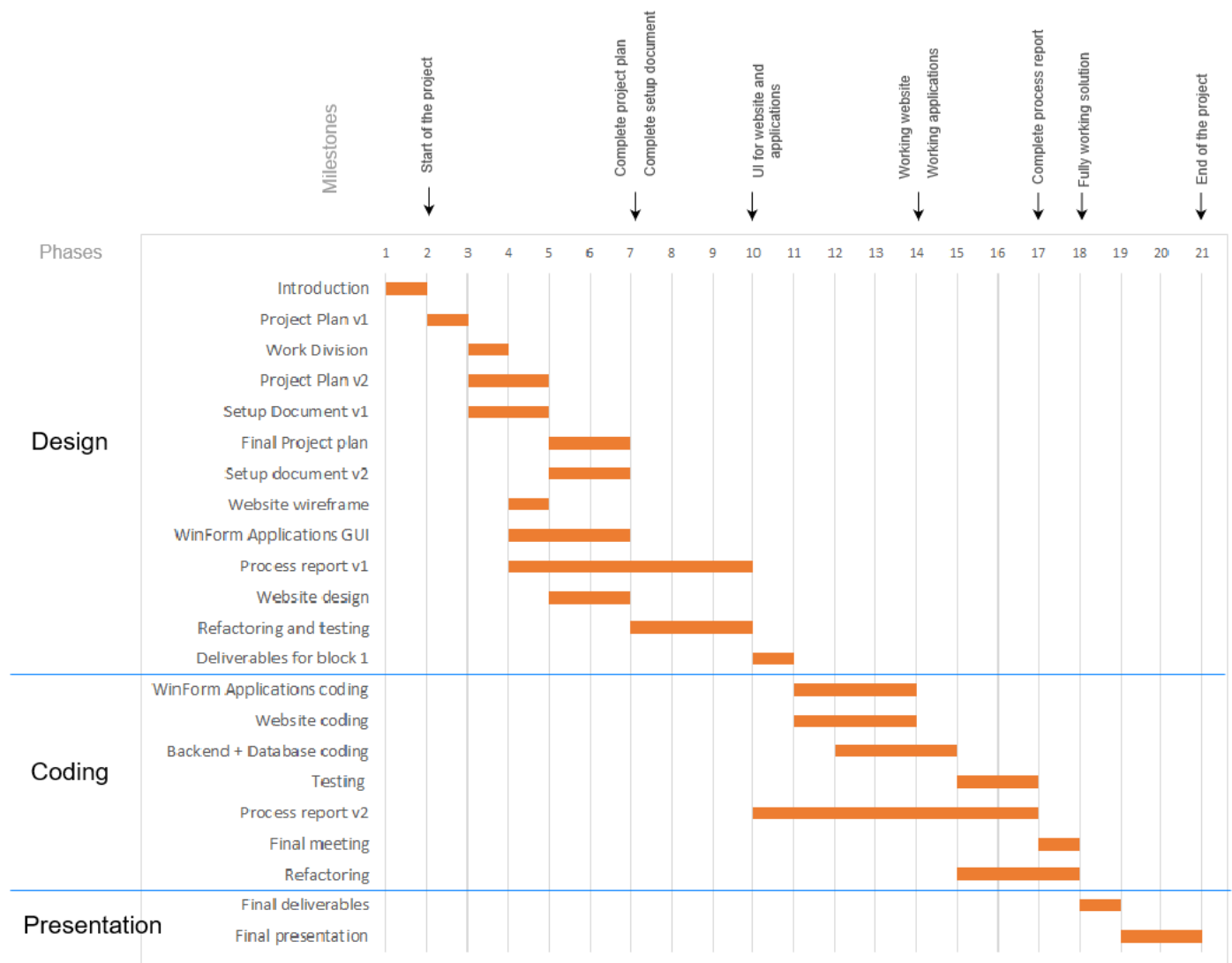
Project constraints

- A relational database to store information.
- The graphic user interface must be programmed with C# application.
- Working with a version control system is required (GitLab).
- The website should run on the Iris server of FHICT.

Project Risk Management

Risk	Description	Probability	Impact on project	Solution
Conflict	Members do not understand, agree with each other	Medium	High	Contact the mentor to get some advice how to divide work.
Not enough time	There is not enough time to implement all the required features	Middle	High	Have a weekly meeting and sometimes invite the tutor to review our documents.
Misunderst and of requirements	Developers might understand the problems in different way	Low	Middle	Discussion about deliverables at least every 2 weeks. Make testing frequently.

Phases & Milestones



MoSCoW Table

Task	M	S	C	W
People must be able to buy tickets online	✓			
People can also buy tickets at the event's gate (with an extra fee).			✓	
Visitors must be able to deposit money to their account before the event through the website.	✓			
Visitor should also be able to deposit money at the event, by ATM machines which a bank has provided.		✓		
The camping it's required to have its own check-in / check-out application.	✓			
The application records all the balance's changes that are made by the visitors based on the ATM log files.	✓			
Every visitor must have an identification code.	✓			
Visitors should be able to reserve a specific camping spot if it's still available.		✓		

The event organizers want to see statistics about people who buy tickets.		✓		
When a person buy a ticket, the visitor should be assigned some form of identification for inside the event.	✓			
The organization should also have the possibility to see the total amount of a certain product sold and the total amount of money earned at the end of the event.		✓		
Visitors could be able to buy VIP tickets.			✓	
Reset password implementation for the web-page: if users forget their passwords they have the possibility to reset it.			✓	
The website should have the possibility to let users communicate about their experiences.			✓	
A participant could get a unique identity number represented as barcode or QR code by email to use as identification.			✓	
Visitors cannot reserve parking lots for their cars.				✓
Our event will not offer tents for the visitors who reserved a camping spot.				✓

Legend for MoSCoW Table: **M** = must have
S = should have

C= could have
W= won't have

