Project plan

# Formal client

Client: Mr. Stevens

Address:

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# The team

* Team leader

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# Current situation

The client needs a way to store information about people attending the event.

The client needs help with organizing everything IT-related in regards to an event he is hosting.

# Problem description

They have not easy way to pay for drinks/food and activities. Entering the camp and the event grounds is slow and painful. Purchasing tickets for the event is very troublesome and uncomfortable.

# Project goal

Creating a well-designed website, databases, applications for different staff-positions. Visitors should be able to pay without carrying cash. The website should be used for making a reservation easily and effortlessly. The databases should contain a real-time information for every visitor and their status.

# Deliverables and non-deliverables

Our deliverables are going to be the following:

* Website for information and event reservation
* Databases tracking information about the people attending the event and their balance, purchases history and status
* Different applications for the different roles of the staff

Our non-deliverables are going to be:

* Hardware
* Hosting of services
* Organization of the event
* Teaching the staff to use the software

# Constraints

* Our budget for materials is limited to 2 000 euros.
* Fix time constraint: We have a time limitation of 8 x 28 hours. This means that we will not spend more than a total of 224 hours working on the project. This is total time, so the effort of all five members added together.
* The entire project is not going to take more than 7 months from the start of the project.
* We are limited to a maximum of 4 people working on the project.
* Out limitations also include the device being cat only.
* We are also limited for only selling the product in The Netherlands.
* The battery is limited to two days

# Risks

* The final product could not be unique in the market. This will be discussed with the client at the first meeting when showing the research report.
  + Probability  
    Very high
  + Impact  
    Minor, this problem is going to occur for sure, but resolving it is a matter of good marketing and having a high quality product. The impact of the problem to this project is minor, because if the product meets the agreed specifications and quality, the client will have a good quality product for a reasonable price.
  + Solution  
    Since we cannot influence rival companies, a possible solution could be adding some extra features to the device, or advising the client to invest in advertising, to make the product well known and preferred by users.
* Due to manufacturing and/or development costs the eventual price of the product could end up not being a competitive price compared to other products. This also will be shown in the research report.
  + Probability  
    Likely to happen if we are going after quality instead of quantity (for manufacturing) or didn’t choose the right manufacturer. It is also less likely to happen assuming we have a good development team.
  + Impact  
    It will have a major impact on the project due to increasing costs and man hours therefore a high risk of not meeting the deadline.
  + Solutions  
    Carefully choosing our manufacturer and forecasting problems or unexpected events (macroeconomic disasters etc.) which are uncertain. That could set a foundation for us to work with.
* The Android application may not be accepted by Google where after it will not be publicly downloadable. We will develop accordingly to Googles requirements but are not responsible for its final acceptance.
  + Probability  
    Rare, because as we said we will develop it accordingly to Google’s requirements.
  + Impact  
    The impact will be big. The device can’t be used without the app so if it’s not accepted the whole project will be postponed which will result in delaying the project and failure to comply with the deadline.
  + Solutions  
    Hiring a company that is more experienced with the Google requirements.
* Some components needed for the device could not be available at any time. This because these are purchased at a third-party company.
  + Probability  
    Unlikely, hard to predict.
  + Impact  
    We would not be able to complete the product with the desired components.
  + Solutions  
    We would have to find a replacement component, possibly slightly redesign the product.
* Some unforeseen situations could occur that influence the prices or availability of a certain component.
  + Probability  
    As this generally refers to serious production difficulties or market changes, it is impossible to predict without insider data, but also very unlikely.
  + Impact  
    The product would be unable to meet the desired price, release date or desired parameters.
  + Solutions  
    Delay the product until the market stabilizes/prices decrease, increase the product's price in accordance with the component price increase or find a different manufacturer for the components in question.