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| Fontys University of Applied Science |
| Project Plan |
| Media Bazaar |
| PRJ CBO-02 02  Supervisor: Brice Guayrin  Eindhoven, 01-09-2021 |

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# Document Change Record

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| *Date* | *Version* | *Author* | *Comments* |
| 01-09-2021 | 0.1 | Kenneth/Andrija/Sander | Initial Document |
| 08-09-2021 | 0.2 | Kenneth/ Andrija/ Sander | Updated version of initial document |
| 12-08-2021 | 0.3 | Kenneth/ Andrija/ Sander | Final version |
| 12-11-2021 | 0.4 | Kenneth/ Andrija/ Sander | Updated Final Version |

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# Definitions, Acronyms and Abbreviations

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| --- | --- |
| *Term* | *Description* |
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# Table of Contents

1. [Client](https://docs.google.com/document/d/1fafdu1GmXL6MISxhexHM6nWAYLIdYMgOKQP34j7reyI/edit#heading=h.tyjcwt)
2. [Team](https://docs.google.com/document/d/1fafdu1GmXL6MISxhexHM6nWAYLIdYMgOKQP34j7reyI/edit#heading=h.lje5cjxfwpbe)
3. [Current Situation](https://docs.google.com/document/d/1fafdu1GmXL6MISxhexHM6nWAYLIdYMgOKQP34j7reyI/edit#heading=h.40q1fpw626lr)
4. [Problem Description](https://docs.google.com/document/d/1fafdu1GmXL6MISxhexHM6nWAYLIdYMgOKQP34j7reyI/edit#heading=h.kyoirja3tbci)
5. [Project Goal](https://docs.google.com/document/d/1fafdu1GmXL6MISxhexHM6nWAYLIdYMgOKQP34j7reyI/edit#heading=h.4d34og8)
6. [Deliverables](https://docs.google.com/document/d/1fafdu1GmXL6MISxhexHM6nWAYLIdYMgOKQP34j7reyI/edit#heading=h.2s8eyo1)
7. [Non-Deliverables](https://docs.google.com/document/d/1fafdu1GmXL6MISxhexHM6nWAYLIdYMgOKQP34j7reyI/edit#heading=h.17dp8vu)
8. [Constraints](https://docs.google.com/document/d/1fafdu1GmXL6MISxhexHM6nWAYLIdYMgOKQP34j7reyI/edit#heading=h.3rdcrjn)
9. [Phasing](https://docs.google.com/document/d/1fafdu1GmXL6MISxhexHM6nWAYLIdYMgOKQP34j7reyI/edit#heading=h.26in1rg)  
   9.1. Analysis  
   9.2. Design  
   9.3. Implementation  
   9.4. Testing  
   9.5. Delivery

# 1 Client

Our client is Mrs. Guayrin, a spokesperson from Media Bazaar. Media Bazaar is a rapidly growing technology-based store. They are about to open a store in Eindhoven, but they are looking forward to expanding to other cities. Funded by their parent company “Jupiter”, they have been assigned to create an application that improves efficiency and easiness of handling large amounts of products and employees. Media Bazaar as a store sells home appliances and tools, toys and games for children, food and many more.

Media Bazaar currently has a Management, the administration and lastly the depot Stock workers.

All contact with the client will be through Mrs. Guayrin All meetings will be discussed with Mrs. Guayrin beforehand to determine its importance and scheduling.

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# 2 Team

Our team consists of:

* Boakye-Buah,Kenneth K.A., 3932257, [k.boakyebuah@student.fontys.nl](mailto:k.boakyebuah@student.fontys.nl)
* Andrija Hanga, 4137612 , [a.hanga@student.fontys.nl](mailto:a.hanga@student.fontys.nl)
* Boers, Sander, 438165, [s.boers@student.fontys.nl](mailto:s.boers@student.fontys.nl)

Repository:   
<https://github.com/Andrija121/MediaBazaarProjectKSAsolutions>

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# 3 Current Situation

Media Bazaar is growing, so that means there’s more employees to manage, stocks of their products to manage and sell and working shifts to schedule. The approach that Media Bazaar is currently taking is that all employees are managed through verbal communication/email or phone calls when at home. Shifts/Schedule of the working employee are made manually and often stored on an excel sheet. Their Inventory (stock of products) management is not being done with the help of computers, so their employees do it on paper and keep receipts of sales, statistics and finally request of new products.

# 4 Problem Description

The Media Bazaar administrations has 5 types of employees working Onsight and besides employees verbally being briefed and trained on how to work in the store, the company has system that handle the different administrative access rights of each employee. Another problem that media bazaar faces is that there’s no digital (automated) schedule for their employees. So, there’s occasional amount of absence at work, which is currently not properly being managed or accounted for using an excel list. Many of their employees' personal information is going out of date, because the process of storing this information is handled manually which is creating a lot of problems for the administration/management teams. Other problems like checking/storing their statistics and sales and checking track of their stocks are problems Media bazaar struggles to manage. They hope to have an application that can handle their gradually growing work force and data.

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# 5 Project Goal

The first phase of the project is to create an application that is going to be able to store the employees’ personal details, and to establish the accessibility levels of all the Users of the application. We want to be able to display the store stocks and warehouse stocks so that the management team can monitor which products are selling and which aren’t. This process will allow them to restock, Add, Update and Delete the current stock of Media Bazaar. We also hope to automate the schedules of their employees and managers so that both users can view, request, and plan the times they want to work.

# 6 Deliverables

* desktop application
  + Employee Management
  + Department Management
  + Automatic Scheduling
  + Documentation
  + Statistics of Stocks and Employee
  + Stocks and sales Managements
* Website application
  + Website employee view
  + Website Schedule vie
  + Website Statistics View
  + Website Department View
  + Bug free system
  + Secure software
  + Maintainable and extendable, overall system with persistence

7 Non-Deliverables

* + Customer support service (ADD MORE)
  + Web site hosting
  + Code maintainability

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# 8 Constraints

1. The deadline of our project is at the end of week 18
2. We need to have the mentioned functionalities in application by the end of week 18
3. Due to the ongoing pandemic, we have a limited amount of working time at school because of scheduled classes so the rest of the work must be done online for the time being. //EDIT
4. Software framework that is going to be used is .Net Core (C#, ASP.NET), with all information stored into Database (MySQL).
5. We use a version control management system (GIT).
6. Quality Standards(//REPHRASE)
7. Project management mythology (//REPHRASE).

# 9 Phasing //Include deliverables with every activity add Start and End Date

Following phases show progress made in every iteration (6 weeks), which will divide 18 weeks as 3 sprints of 6 weeks

1. Phase 1: Analysis
   * Activities:
     1. Discussing and writing a work agreement with the team
     2. Wrote the project plan and held meetings with the client
2. Phase 2: Design
   * Activities:
     1. Writing the user requirements document
     2. Finalizing the project plan
     3. Writing database relationships
     4. Prototyping
3. Phase 3: Implementation
   * Activity:
     1. Finalizing user requirements document
     2. Dividing work
     3. Coding the desktop application
4. Phase 4: Implementation
   * Activity:
     1. Continuation of implementation
5. Phase 5: Testing
   * Activity:
     1. Producing Test Report
     2. Testing our application
     3. Finalizing our implementation
6. Phase 6: Demo
   * Activity:
     1. Preparing demo presentation
     2. Git tagging our application

//INCLUDE ITERATIVE AS A PHASE

Project Plan, Test Plan, Test Report are all deliverables

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