Student Number: ERS98000300

RNN GROUP

Group work

Specification Requirements

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## 1. Stakeholders

|  |  |  |
| --- | --- | --- |
| Req | Description | Comments |
| 1.1 | The group |  |
| 1.2 | Users |  |
| 1.3 | Potential clients | Maybe sell finished product |
| 1.4 | intermediaries | Facebook or computer access |

## 2.Business case requirements

|  |  |  |
| --- | --- | --- |
| Req | Description | Comments |
| 2.1 | Working photo frame |  |
| 2.2 | App to run to make playlists for photo frame | On desktop |
|  | Bluetooth connection |  |
|  | Wifi to connect to database directly |  |

## 3.Specific objectives or deliverables

|  |  |  |
| --- | --- | --- |
| Req | Description | Comments |
| 3.1 | Photo frame using rasp pi, possible speaker | Adding music to photo |
| 3.2 | Cheap to make |  |
| 3.3 | Photo frame Connects to app | Bluetooth or wifi |
| 3.4 | User upload photos to database |  |
| 3.5 | App allowed to use computers photos |  |
| 3.6 | Timetable | Gent chart |
| 3.7 | Software | Notebook++, respian |
| 3.8 | hardware | Rasp pi, Bluetooth connector, screen |
| 3.9 | Default content | (fireplace, snow) |
|  | App Search feature |  |

## 4.Benefits and success factors

|  |  |  |
| --- | --- | --- |
| Req | Description | Comments |
| 4.1 | App is user friendly |  |
| 4.2 | Touch screen | If poosible |
| 4.3 | Converts to mobile app |  |
| 4.4 | Security benefits | Data protection |
| 4.5 | Objectives completed in time frame |  |
| 4.6 | More work done as part of group |  |

## 5.Project boundaries or scope

|  |  |  |
| --- | --- | --- |
| Req | Description | comments |
| 5.1 | Using discord for group connection |  |
| 5.2 | Git hub for document connection |  |
| 5.3 | Recorded meeting once a week |  |
| 5.4 | Microsoft project |  |
|  | Possible wordpress |  |

## 6.Constraints

|  |  |  |
| --- | --- | --- |
| Req | Description | Comments |
| 6.1 | Group management |  |
| 6.2 | Hardware costs |  |
| 6.3 | Time |  |
| 6.4 | Equality of work |  |

## 7.Consideration of options

|  |  |  |
| --- | --- | --- |
| Req | Description | Comments |
| 7.1 |  |  |
| 7.2 |  |  |
| 7.3 |  |  |

## 8. diagrams needed

|  |  |  |
| --- | --- | --- |
| Req | Description | Comments |
| Conceptual | | |
| 8.1 | Use case diagram app | Possibly one diagram |
| 8.2 | Use case diagram photo frame |
| 8.3 | ERD | Database |
| 8.4 | App ideas | Mood board |
| 8.5 | Wireframes | App home page |
| 8.6 | DFD app | With connection |
| 8.7 | DFD photo frame |
| 8.8 | Data dictionary | With relationships |
| 8.9 | UML app |  |
| 8.10 | UML photo frame |  |
| 8.11 | Logo(s) | Optional at start |
| 8.12 | App Page hierarchy | Optional at start |
| 8.13 | Equipment list | Prices |
| Logical | | |
| 9.1 | ERD |  |
| 9.2 | Wireframes for all pages |  |
| 9.3 | DFD app |  |
| 9.4 | DFD photo frame |  |
| 9.5 | Data dictionary |  |
| 9.6 | UML app |  |
| 9.7 | UML photo frame |  |
| 9.8 | File organisation | Sitemaps |
| 9.9 | Sequential diagrams | Optional |
| 9.10 | Pseudo code | Connected to UML |
|  |  |  |
| Tests | | |
| 10.1 | Test plan app |  |
| 10.2 | Test plan photo frame |  |