# Project Progress Tracking Form

IS52018C Software Projects 201920

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| **Project Name** | *Scale Shelves* |
| **Concept** | *A smart shelf with weight sensors that sends stock information to an app.* |
| **Project Number** | *24* |
| **Document Start Date** | *Week 6 of Term 1* |
| **Business Plan Objective** | *Increase the efficiency of inventory management, reducing time spent on it and occurrences of items being out of stock.* |
| **Sponsor/Supervisor** | *Frederic Fol Leymarie* |
| **Project Manager** | *Jasper Robinson* |
| **Gitlab space** | <https://gitlab.doc.gold.ac.uk/softproj24/smart-inventory-shelves> |

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| --- | --- | --- |
| **Budget/hrs** |  | |
| Resource Name (Student Name) | | Budget/hrs |
| *Francis Aquino* | | *232 hrs* |
| *Jignesh Devji* | | *232 hrs* |
| *Marisa Doyne* | | *232 hrs* |
| *Christopher Mayes (Chris)* | | *232 hrs* |
| *Elhassania Ghazoini (Ania)* | | *232 hrs* |
| *Jasper Robinson* | | *232 hrs* |

**Objective/Scope**

* *Phase 1: Identifying the concept: Come up with ideas, discuss, decide, perform market research, refine the concept.*
* *Phase 2: Defining the concept. Continued stakeholder interaction to refine requirements, creating lists of scenarios and modelling those scenarios (UML).*
* *Phase 3: Prototyping the concept: Research, development of lo-fi prototype, development of hi-fi functional prototype, development of technical prototype, testing.*
* *Phase 4: Refining Specification and creating concept proposal.*
* *Phase 5: Development & Testing*
* *Phase 6: Testing, Creating presentation and final report.*

**Milestone Plan and Revision Plan**

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| --- | --- | --- | --- |
| Milestone ID | Revision Plan, including budget revision | Milestone Date | Resources Required |
| *1 Concept proposal* | *No change* | *11/10/19* | *All 2-3 Hrs* |
| 2 Requirements and Market study | No change, more extensive market research and interviews being to continue after. | 18/10/19 | All 2-3 Hrs |
| 3 Concept Design Model | No change, Models will be refined and improved before the final report. | 25/10/19 | All 3-4 hrs |
| 4 Prototype activity report | No change | 22/11/19 | All 14-28 hrs (total 4 weeks) |
| 5 Technical Specification | No change | 6/12/19 | All 2-3 hrs |
| 6 Kanban Backlog | Done quite rushed, end of term and report due - I had no time for it and other team-members also had commitments. A better version to be updated later | 13/12/19 | Two or three members 1-3 hrs each |
| Group Report Project Proposal | No change | 13/12/19 | (Three weeks) All members 8-20 hrs each |
| 7 Testing Plan | Done quickly – could do with refinement | 31/1/20 | All members 0.5-1hr |
|  |  |  |  |
| Arduino -Dev | Currently only Marisa, others will help if needed | 13/3/20 | Marisa  ? hrs |
| Web Server - Dev | Currently Jasper and Francis – others will help if needed | 13/3/20 | Jasper & Francis  ? hrs |
| Database - Dev | Currently Jasper and Chris – others will help if needed | 13/3/20 | Jasper & Chris  ? hrs |
| Design -Dev | Currently Elhassania – Jignesh may help out and others if needed. | 13/3/20 | Elhassania  ? hrs |
| HTML pages/Implementing design | Currently Jignesh – Elhassania may help out and other especially when move onto dynamic pages. | 13/3/20 | Jignesh  ? hrs |
| *Milestone n* | *Record reasons for changes to the milestone plans* | *Date for the milestone to be delivered. Cross through and replace with new date if the plan changes.* | *Resources that you will need to commit to achieve this milestone.*  *Student 1: x hrs*  *:*  *Student n: y hrs*  *Cross through and enter new resource commitment details if the plan changes.* |

**Status/Progress**

|  |  |  |  |
| --- | --- | --- | --- |
| **Date** | Task ID | Progress & Status | Resources Used: Name & hrs |
| *11/10/19* | *M1 Concept proposal* | *M1 submitted. Decided on a project.* | *Francis - 0*  *Jignesh - 2*  *Marisa – 2.5*  *Christopher – 2.5*  *Elhassania – 2.5*  *Jasper - 2* |
| *18/10/19* | M2 Requirements and Market study | M2 submitted, refined project focus, interviews and market research for changed focus ongoing. | Francis – 3  Jignesh – 4  Marisa – 1.5  Christopher – 2.5  Elhassania – 2.5  Jasper – 2.5 |
| *25/10/19* | M3 Concept Design Model | M3 submitted, Models made for key areas of the app. These models may be expanded in the future | Francis – 2.5  Jignesh – 5  Marisa – 3.5  Christopher - 6  Elhassania – 7  Jasper – 10 |
| *3/11/19* | M4 Prototype activity report | Preliminary Prototype research done. Some lo-fi diagrams made. Waiting on members reports on research and specifics of what’s achievable for our prototype. | Francis - 2  Jignesh - 0  Marisa – 4.5  Christopher - 4  Elhassania – 6  Jasper – 7.5 |
| *10/11/19* | M4 Prototype activity report | Lo-fi prototype mostly done, List of specifications for Hi-fi prototypes generated. | Francis - 2  Jignesh - 0  Marisa – 8.5  Christopher - 0  Elhassania - 5  Jasper – 7 |
| *14/11/19* | M4 Prototype activity report | Progress on making Hi-fi prototype ready for stakeholder testing next week. | Francis – 2.5  Jignesh - 0  Marisa – 3  Christopher - 4  Elhassania – 5  Jasper – 5 |
| *22/11/19* | M4 Prototype activity report | *Finished making Hi-fi prototype, testing with stakeholders and creating a technical prototype.* | Francis - 4  Jignesh - 8  Marisa – 4.5  Christopher - 8  Elhassania – 12  Jasper – 13 |
| 13/12/19 | *Group Project proposal & M6 Kanban Backlog* | *3 weeks, Project proposal completed , M5 Technical specification and M6 Kanban created* | Francis – 5.5  Jignesh - 9  Marisa – 11  Christopher – 14.5  Elhassania – 16  Jasper – 28 |
| 9/2/20 | *M7 Testing, Christmas holidays and first 4 weeks of development* | *M7 testing created – but could do with refinement. Development started slow, but think most have focussed on learning about how to build a Node Express app.* | Francis – 18.5  Jignesh - 20  Marisa – 45  Christopher – 23.5  Elhassania – 46  Jasper – 41.5 |

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| --- | --- | --- | --- |
| **Cumulative Resource Usage/hrs** | | | |
| Revision Date | Resource Name | hrs Used | hrs Remaining |
| *30/9/19* | *Francis Aquino* |  | *232* |
| *11/10/19* | *Nothing reported* |  |  |
| *18/10/19* | *Market Research* | *3* | *229* |
| *25/10/19* | *- UML research*  *- Writing Scenarios/sequence notes*  *- Attending Interviews* | *0.5*  *1*  *1* | *226.5* |
| *3/11/19* | *- Prototyping research* | *1* | *225.5* |
| *10/11/19* | *-* Creating Use Cases/Scenarios/Sequence Lists | *2* | *223.5* |
| *14/11/19* | - LoFi Sketch and Storyboards  *-* HiFi Sketches & Prototypes | *2*  *0.5* | *221* |
| *22/11/19* | *- LoFi Sketch and Storyboards*  *- HiFi Sketches & Prototypes*  *- Attending Interviews* | *2*  *1.5*  *0.5* | *217* |
| *29/11/19* | *-Working on Concept Proposal: Prior Knowledge & Market Survey* | *3* | *214* |
| *6/12/19* | *- Reviewing Concept Proposal*  *- Working on Concept Proposal: Conclusion* | *1*  *1* | *212* |
| *13/12/19* | *- Typing Up Kanban Backlog M6* | *0.5* | *211.5* |
| *12/1/20* | *-* Learning Node and express through tutorials and textbook | *13* | *198.5* |
| *19/1/20* | *-* Learning Node and express through tutorials and textbook  - Preparation and research for Arduino/LoadCell work | *1*  *1* | *196.5* |
| *26/1/20* | *-* Learning Node and express through tutorials and textbook | *1* | *195.5* |
| *2/1/20* | *- Creating MySQL database map/proposal* | *2.5* | *193* |
| *9/1/20* | *Nothing reported* |  |  |
| *27/4/20* | *Francis Aquino* | *z1 (26 weeks) hrs* | *232 - a1 - b1 … - z1 = 0 hrs* |
| *30/9/19* | *Jignesh Devji* |  | *232* |
| *11/10/19* | *- Thinking up ideas* | *2* | *230* |
| *18/10/19* | *- Market research* | *4* | *226* |
| *25/10/19* | - Stakeholder’s research/writing  - Attending Interviews  - Writing up interview notes | 2  2  1 | 221 |
| *3/11/19* | Nothing reported |  | 221 |
| *10/11/19* | Nothing reported |  | 221 |
| *14/11/19* | Nothing reported yet |  | *221* |
| *22/11/19* | *- HiFi Sketches & Prototypes*  *- Attending Interviews* | *6*  *2* | *213* |
| *29/11/19* | *- Meeting at uni to work through Functional specification* | *2* | *211* |
| *6/12/19* | *- Reviewing Concept Proposal*  *- Working on Concept proposal: UML Diagrams* | *1*  *5* | *205* |
| *13/12/19* | *- Typing Up Kanban Backlog M6* | *1* | *204* |
| *12/1/20* | *-* Learning Node and express through tutorials and textbook | *10* | *194* |
| *19/1/20* | *-* Learning Node and express through tutorials and textbook  - Preparation and research for Arduino/LoadCell work | *2*  *2* | *190* |
| *26/1/20* | *-* Learning Node and express through tutorials and textbook | *2* | *188* |
| *2/1/20* | *Nothing reported* |  |  |
| *9/1/20* | *-* creating HTML webpages for User Interface | *4* | *184* |
| *27/4/19* | *Jignesh Devji* | *z2 (26 weeks) hrs* | *232 – a2 – b2 … - z2 = 0 hrs* |
| *30/9/19* | *Marisa Doyne* |  | *232* |
| *11/10/19* | *-Group communication & Admin*  *- Thinking up ideas* | *0.5*  *2* | *229.5* |
| *18/10/19* | *-Group communication & Admin*  *- Market research* | 0.5  1 | 228 |
| *25/10/19* | *- Group communication & Admin*  *- UML research*  - Attending Interviews  - Writing up interview notes | *1*  *0.5*  *1*  *1* | 224.5 |
| *3/11/19* | *- Group communication & Admin*  - Prototyping - Storyboard  - Writing up interview notes | 0.5  2  2 | 220 |
| *10/11/19* | *- Group communication & Admin*  - Attending Interviews  - Writing up interview notes  - Creating Use Cases/Scenarios/Sequence Lists | 1  1  1.5  5 | 211.5 |
| *14/11/19* | *- Group communication & Admin*  *-* Concept Proposal: Stakeholder section | *1*  *2* | *208.5* |
| *22/11/19* | *- Booking Interviews*  *-Attending Interviews*  *- Writing up Interviews* | *1*  *2*  *1.5* | 204 |
| *29/11/19* | *- Working on Concept Proposal: Stakeholders* | *5* | *199* |
| *6/12/19* | *- Working on Concept Proposal: Evaluation*  *- Reviewing Concept Proposal* | *5*  *1* | *193* |
| *13/12/19* | *- Proofreading Concept Proposal & helping with checks* | *2* | *191* |
| *12/1/20* | *-* Learning Node and express through tutorials and textbook | *24* | *167* |
| *19/1/20* | *-* Preparation and research for Arduino/LoadCell work | *6* | *161* |
| *26/1/20* | *-* Preparation and research for Arduino/LoadCell work | *8* | *153* |
| *2/1/20* | *-* Creating MySQL database map/proposal  *-* Preparation and research for Arduino/LoadCell work | *3*  *1* | *149* |
| *9/1/20* | *-* Preparation and research for Arduino/LoadCell work | *3* | *146* |
| *27/4/19* | *Marisa Doyne* | *zn (26 weeks) hrs* | *232 – an – bn … - zn = 0 hrs* |
| *30/9/19* | *Christopher Mayes* |  | *232* |
| *11/10/19* | *- Thinking up ideas*  *- Writing up milestone* | *2*  *0.5* | *229.5* |
| *18/10/19* | *- Market research* | *2.5* | *227* |
| *25/10/19* | - Stakeholder’s research/writing  *- UML research*  *- Making UML diagrams*  *- Attending Interviews* | *1*  *3*  *1*  *1* | *221* |
| *3/11/19* | *- Prototyping research*  *- Prototyping storyboard* | *1*  *3* | *217* |
| *10/11/19* | *Nothing reported* |  |  |
| *14/11/19* | *-LoFi Sketch and Storyboards* | *4* | *213* |
| *22/11/19* | *- Technical prototype/Hi-fi sketches*  *- Group communication/ admin/ gitlab* | *7*  *1* | *205* |
| *29/11/19* | *- Uploading documents, wiki/git maintenance*  *- Meeting at uni to work through Functional specification* | *1*  *2* | *202* |
| *6/12/19* | *- Reviewing Concept Proposal*  *- Reading Software Engineering Textbook (for relevant info)*  *- Group communication / updating wiki pages* | *1.5*  *1*  *2* | *197.5* |
| *13/12/19* | *- Writing sections*  *- Redrafting document* | *6*  *1* | *191.5* |
| *12/1/20* | *-* Learning Node and express through tutorials and textbook | *12* | *179.5* |
| *19/1/20* | *-* Learning Node and express through tutorials and textbook  *-* Preparation and research for Arduino/LoadCell work | *1*  *3* | *175.5* |
| *26/1/20* | *-* Preparation and research for Arduino/LoadCell work | *5* | *170.5* |
| *2/1/20* | *-* Creating MySQL database map/proposal | *2.5* | *168* |
| *9/1/20* | *Nothing reported* |  |  |
| *27/4/19* | *Student n* | *zn (26 weeks) hrs* | *232 – an – bn … - zn = 0 hrs* |
| *30/9/19* | *Elhassania Ghazoini* |  | *232* |
| *11/10/19* | *- Thinking up ideas*  *- Writing up milestone* | *2*  *0.5* | *229.5* |
| *18/10/19* | *- Market research* | *2.5* | *227* |
| *25/10/19* | - Stakeholder’s research/writing  *- UML research*  *- Writing scenarios and sequence notes*  *- Making UML diagrams*  *- Attending Interviews*  *- Writing up interview notes* | *1*  *2*  *1.5*  *1*  *1*  *0.5* | *220* |
| *3/11/19* | *- Prototyping Research*  *- Prototyping Storyboard* | *4*  *2* | *214* |
| *10/11/19* | - Creating Use Cases/Scenarios/Sequence Lists | *5* | *209* |
| *14/11/19* | *-* breaking down tasks?  - Lo-fi sketch and Storyboards | *1*  *4* | *204* |
| *22/11/19* | *- Lo-fi Sketch and Storyboard*  *- Hi-fi Sketches & Prototypes*  *- Group communication + admin + gitlab* | *7*  *4*  *1* | *192* |
| *29/11/19* | *- Uploading documents, wiki/git maintenance* | *8* | *184* |
| *6/12/19* | *- Working on Concept Proposal: Prototyping*  *- Reading Software Engineering Textbook (for relevant info)*  *-* Group communication / updating wiki pages | *4*  *1*  *2* | *177* |
| *13/12/19* | *-* Redrafting document | *1* | *176* |
| *12/1/20* | *-* Learning Node and express through tutorials and textbook | *17* | *159* |
| *19/1/20* | *-* Wiki, communication, updating kanban etc.  - Preparation and research for Arduino/LoadCell work | *1*  *5* | *153* |
| *26/1/20* | *-* Updating wiki creating dev pages and updating activity log document  - Preparation and research for Arduino/LoadCell work | *2*  *7* | *144* |
| *2/1/20* | *-* Creating MySQL database map/proposal  - Preparation and research for Arduino/LoadCell work | *3*  *3* | *138* |
| *9/1/20* | *- Preparation and research for Arduino/LoadCell work*  *- Creating web page designs* | *3*  *5* | *130* |
| *27/4/19* | *Elhassania Ghazoini* | *zn (26 weeks) hrs* | *232 – an – bn … - zn = 0 hrs* |
| *30/9/19* | *Jasper Robinson* |  | *232* |
| *11/10/19* | *- Thinking up ideas* | *2* | *230* |
| *18/10/19* | *- Market Research*  *- Writing up milestone* | *2*  *1* | *227* |
| *25/10/19* | *- Stakeholders research/writing*  *- Researching UML*  *- Writing scenarios and sequence notes*  *- Making UML diagrams*  *- Attending Interviews*  *- Writing up interview notes* | *1*  *2*  *1.5*  *3*  *2*  *0.5* | *217* |
| *3/11/19* | *- Creating Gitlab space, moving all documents to the wiki, organising the wik, linking pages and adding extra pages and information.*  *- Prototyping research*  *- Prototyping sketch* | *6*  *1*  *0.5* | *209.5* |
| *10/11/19* | - Group Administration/ wiki maintenance  *- Researching project management and GANNT charts*  *- Making a GANNT chart*  - Creating prototyping wiki page and breaking down tasks | *1*  *2*  *1*  *3* | *202.5* |
| *14/11/19* | *- Lo-fi Sketches/ mock-ups*  *- Hi-fi Sketches/ prototyping*  Group Communication & Administration | *1*  *1*  *3* | *197.5* |
| *22/11/19* | *- Lo-fi sketch and storyboards*  *- Making the Hi-fi functional prototype*  *- Attending Interviews*  *- Writing up milestone*  *-Group Admin / communication/ updating tracker* | *1*  *8*  *2*  *1*  *1* | *194.5* |
| *29/11/19* | *- Uploading documents, wiki/git maintenance*  *- Breaking down Concept proposal/ functional specification on git wiki (for those not in the lecture)*  *- Meeting at uni to work through Functional specification*  *- Typing up notes from meeting on functional specification* | *1*  *2*  *2*  *0.5* | *189* |
| *6/12/19* | *- Reading Software Engineering Textbook (for relevant info)*  *- Writing Design section + making updated use case diagram*  *- Writing summary of Kanban backlog and M6 (for those not in the lecture)*  *- Group communication / updating wiki pages*  *- Typing up m5 + making system diagram* | *1.5*  *2.5*  *0.5*  *1*  *2* | *181.5* |
| *13/12/19* | *- Writing sections (intro, ethical audit, SRS, Project management)*  *- Redrafting sections and document*  *- Neatening document: creating and updating images (and legends), formating references, writing appendix, layout* | *4*  *8*  *4* | *165.5* |
| *12/1/20* | *-* Learning Node and express through tutorials and textbook  - Wiki, communication, updating kanban etc. | *12*  *2* | *151.5* |
| *19/1/20* | *-* Learning Node and express through tutorials and textbook | *3* | *148.5* |
| *26/1/20* | *-* Learning Node and express through tutorials and textbook  - Updating wiki creating dev pages and updating activity log document | *3*  *1.5* | *144* |
| *2/1/20* | *-* Learning Node and express through tutorials and textbook  - Creating MySQL database map/proposal  -Write up m7 testing plan | *3*  *3*  *0.5* | *137.5* |
| *9/1/20* | *-* Learning Node and express through tutorials and textbook  *- Create Basic Node Express web server setup in repo*  *- Trying to implement database schema in MySQL Workbench*  *- Creating List of targets - updating activity log - group communication* | *4*  *1.5*  *6.5*  *1.5* | *124* |
| *27/4/19* | *Jasper Robinson* | *zn (26 weeks) hrs* | *232 – an – bn … - zn = 0 hrs* |