**Project Management Plan**

**for Food Management Web-Service**

**Prepared by:**

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| **Sprints** | **Phase** | **Roles of members** |
| **Sprint 1** | **Analysis** | **P2 as analysts** |
| **Design** | **P3 as designers** |
| **Development** | **P2 as developers** |
| **Testing** | **P4 as testers** |
| **Sprint 2** | **Analysis** | **P3 as analysts** |
| **Design** | **P4 as designers** |
| **Development** | **P1,P3 as developers** |
| **Testing** | **P2 as testers** |
| **Sprint 3** | **Analysis** | **P4 as analysts** |
| **Design** | **P2 as designers** |
| **Development** | **P1,P4 as developers** |
| **Testing** | **P3 as testers** |

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| **Sprints** | **Phase** | **Roles of members** |
| **Sprint 1** | **Analysis** | **P2 as analysts** |
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| **Level** | **WBS Code** | **Task** | **Task Description** | **Level of Satisfaction** |
| **0** | **0** | **Food Service project** |  |  |
| **1** | **1** | **Initial Planning** |  |  |
| **2** | **1.1** | **Team and Topic** |  |  |
| **3** | **1.1.1** | **Team Introduction** | **Members in the team introduce themselves to each other** |  |
| **3** | **1.1.2** | **Topic ideas discussion** | **Ideas expressed by all team members are discussed among themselves** |  |
| **2** | **1.2** | **Topic and methodology selection** | **One topic is selected from all the available ideas based on the pros and cons** |  |
| **3** | **1.2.1** | **Brain storming different methodologies** | **Different methodologies that are used in the present industry are identified and discussed** |  |
| **3** | **1.2.2** | **Agile selected based on team consensus** | **Individual perspective regarding the methodologies are provided. Methodology is finalized when all the team members came to consensus** |  |
| **2** | **1.3** | **Team Division** |  |  |
| **3** | **1.3.1** | **Roles and responsibilities based on skills** |  |  |
|  |  | **Features identified** |  |  |
|  |  | **Estimations technique** |  |  |
|  |  | **Priortizatio** |  |  |
|  |  | **Sprint planning** |  |  |
|  |  | **Sprint division** |  |  |
|  |  | **Sprint goal** |  |  |
|  |  | **Sprint backlog** |  |  |
|  |  | **Project Plan** |  |  |
|  |  | **Sprint 1** |  |  |
|  |  | **Analysis** |  |  |
|  |  | **Gather data about tools** |  |  |
|  |  | **Gather data about aboutus section** |  |  |
|  |  | **Gather data regarding product details and offers from stores** |  |  |
|  |  | **Gather data regarding product details** |  |  |
|  |  | **and offers from stores** |  |  |
|  |  | **Design** |  |  |
|  |  | **Database design** |  |  |
|  |  | **Interface design** |  |  |
|  |  | **Development** |  |  |
|  |  | **Homepage** |  |  |
|  |  | **AboutUs page** |  |  |
|  |  | **Stores and offers** |  |  |
|  |  | **Database modelling** |  |  |
|  |  | **Donor button** |  |  |
|  |  | **Testing** |  |  |
|  |  | **Unit testing** |  |  |
|  |  | **Functional testing** |  |  |
|  |  | **Regression testing** |  |  |
|  |  | **System testing** |  |  |
|  |  | **Sprint review and retrospective** |  |  |
|  |  | **Sprint 2** |  |  |
|  |  | **Analysis** |  |  |
|  |  | **Gather data about product and stores** |  |  |
|  |  | **Gather data regarding product availability** |  |  |
|  |  | **Details about login/signup** |  |  |
|  |  | **Data regarding features involved in cart option** |  |  |
|  |  | **Data for feedback option** |  |  |
|  |  | **Design** |  |  |
|  |  | **Database design** |  |  |
|  |  | **Interface design** |  |  |
|  |  | **Development** |  |  |
|  |  | **Store page** |  |  |
|  |  | **Product page** |  |  |
|  |  | **Product availability page** |  |  |
|  |  | **Login and signup form development** |  |  |
|  |  | **Cart, Reserve and feedback development** |  |  |
|  |  | **Database modeling** |  |  |
|  |  | **Testing** |  |  |
|  |  | **Unit testing** |  |  |
|  |  | **Functional testing** |  |  |
|  |  | **Regression testing** |  |  |
|  |  | **System testing** |  |  |
|  |  | **Sprint review and retrospective** |  |  |
|  |  | **Feedback** |  |  |
|  |  | **Feedback analysis** |  |  |
|  |  | **Sprint 3** |  |  |
|  |  | **Analysis** |  |  |
|  |  | **Gather data regarding search criteria** |  |  |
|  |  | **Gather data for social connectivity** |  |  |
|  |  | **Gather information for coupons and offers** |  |  |
|  |  | **Gather data regarding store timings** |  |  |
|  |  | **Design** |  |  |
|  |  | **Database design** |  |  |
|  |  | **Interface design** |  |  |
|  |  | **Development** |  |  |
|  |  | **Subscription(E-mail)** |  |  |
|  |  | **Search bar** |  |  |
|  |  | **Quantity of product** |  |  |
|  |  | **Social buttons** |  |  |
|  |  | **Privacy policy** |  |  |
|  |  | **Database modeling** |  |  |
|  |  | **Testing** |  |  |
|  |  | **Unit testing** |  |  |
|  |  | **Functional testing** |  |  |
|  |  | **Regression testing** |  |  |
|  |  | **Quality assurance testing** |  |  |
|  |  | **Acceptance testing** |  |  |
|  |  | **System testing** |  |  |
|  |  | **Sprint review and retrospective** |  |  |
|  |  | **Product release** |  |  |
|  |  | **Deliverable** |  |  |
|  |  | **Customer feedback** |  |  |
|  |  | **Maintenance** |  |  |

**Effort Estimation**

***A list of requirements:***

* *Stakeholder identification:* identifying stakeholder is the main requirement as there are many stakeholders involved in the project. So the stakeholders are categorized in two ways: Internal and External. The stakeholders identified for our project are as follows:

Internal Stakeholders:

* Project team
* Sponsor
* Stores

External Stakeholders:

* Customers
* Legislation and authorities
* NGO’s

Overview [10 marks]

* an overview of the scope of your project
* any assumptions and constraints which are relevant to the plan

DEMAND IN THE MARKET   
CUSTOMERS AVAILABILITY   
QUANTITY UPDATES

Process [15 marks]

* the project development methodology you will use (include an explanation of the methodology and justify why you chose this particular methodology for your project)

Agile methodology

* the roles and responsibilities of the members of the team

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| **Team members** | **Roles** | **Responsibilities** |
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Effort Estimation [25 marks]

* a list of requirements (at a suitable level of detail to enable you to identify tasks and estimate effort)
* a work breakdown structure or other suitable list of tasks that you will do to complete the project (use a format that is consistent with your chosen project development methodology)
* an estimate of the effort required to complete these work tasks, including details of how you made this estimate (it is important that you demonstrate that you will effectively utilise the resources available to you as a team)

Plan and Control [25 marks]

* an initial work plan which identifies when tasks will be done and by whom (presented in a manner and level of detail consistent with your chosen project development methodology)
* a list of major deliverables and when you plan they will be ready
* a description of how you will track the work done and measure progress against your plan

Risk Management Plan [15 marks]

* a list of relevant risks to the successful execution your project
* details of any mitigating actions you have or will take to reduce the impact of these risks

Quality Plan [10 marks]

* a discussion of the actions you will take to ensure the quality of the software product you are developing