# Task-1

A.

The eight principles of DSDM that with the scenario are listed below:

1. **Focus on business needs**: The project manager would discuss the business necessities with the CEO of FFF because he is familiarity with his business purposes which could match with the requirements.
2. **Collaborate:** The project manager and CEO of FFF should communicate with each other every time with better thoughtful for the accurate development which make sure of early delivery.
3. **Never compromise quality:** The project manager would develop a finely honed and documented product with predefined quality is provided without any difficulty.
4. **Build incrementally from firm foundation:** The CEO should of FFF should be involved during the product development so that their information may help into sprints divisions which gains the significant feedback for increment.
5. **Deliver on time:** The project manager would make sure that the product would be complete within a given lapse of time.
6. **Develop iteratively:** The project manager has understood that in IT the employee of FFF are not much familiar and can change their requirements anytime during the development of the product. Therefore, the atern arrange for the changing requirements.
7. **Communicate continuously and clearly:** Just to make known to the FFF CEO what functionality in the system is being developed so they can tell them any doubts. The project manager involves various processes such as daily standups, workshops, and interviews etc.
8. **Demonstrate control:** The project manager track the people and govern the status of the project to complete within a given lapse of time.

**B.**

## Use of agile methods to effectively reinforce users and managerial feedback through the project.

## 

The agile methodology is based on iterative and incremental approach with collaboration where solutions develop over the teamwork between self-organizing universalistic teams. The feedback is clearly talked with the proficient communication between every people and the development of the product is made flexible by the iterative approaches also the modifications in the project are done based on a new demands during the meeting. The project is segmented to sprints (rush) later the conformation of the development of correct product is ensured on every single sprints. In software development technique each participants should comprise in daily standups, allowing to their view etc.

**C.**

## Benefits of agile framework that help my project

## 

The agile methodology is based on iterative and incremental approach with collaboration where there will be daily inspections to grasp that the product is functioning throughout the development which empowers product owners to make modification if needed also if there is any problems the team would be aware of it. Hence, this increases the quality of product with this customer will also be satisfied because of involving them during the development of the project and fulfilling their desires. As agile development is based on iterative and incremental approach which illustrates that the incrementally the functions are delivered in time. So that, during the development process the benefits are recognized.

# Task-2

The four hypothetical people with their specification for project are listed below:

|  |  |
| --- | --- |
| Name | Austin Parker |
| Skills | Analyst.   * He has outstanding knowledge in general business. * Can solve problems and also can reduce it quickly. * He has interactive relation skill. |
| Experience | 3 years of working experience as analyst. |
| Weight of contribution. | He is easy-going and flexible who can handle the job as analyst at entire time. |

|  |  |
| --- | --- |
| Name | Lance Atkinson |
| Skills | Android developer and designer   * He has outstanding knowledge of frameworks like Rxjava, Eventbus and Dagger etc. * He also has good understanding of XML, Android SDK, Android Studio, APIS and Databases. * Always up-to-date with modern android technology and android development. * His performance is proficient and can adjust to work in stressed. |
| Experience | 4.5 years of full time working experience as Android developer and designer. |
| Weight of contribution. | Educated, flexible and experienced who can handle the job as android developer and designer at whole time. |

|  |  |
| --- | --- |
| Name | Anne Wookey |
| Skills | Project manager.   * Excellent skills of leadership who can easily manage teams, motivate, coach and serve them and also can set the vision etc. * She has got good communication and interpersonal skills and also can manage risk, time and project scheduling. * She is an excellent negotiator. |
| Experience | 5 years of full time working experience as Project manager. |
| Weight of contribution. | Good leader, adaptable and experienced who can handle the job as project manager at full time. |

|  |  |
| --- | --- |
| Name | Alesha Kelly |
| Skills | Database Administrator.   * Excellent organization skills who can cope organizations large database. * Has good knowledge of RDBMS, SQL, QRACLE and designing database. * She has good understanding of OS, networking, data recovery and can handle database failure. |
| Experience | 3.5 years of full time working experience as Database Administrator. |
| Weight of contribution. | Educated, qualified and skilled who can handle the overall job as database administrator. |

# Task-3

**A**.

Those people who has a lot and great ideas who take the company to the move are known as business visionary. They usually are very imaginative and are great at solving the horrible big problems for the leadership teams. They are not always the founder of the organization but are very distinctive entrepreneurial. Likewise, they have big relationship with the culture of the organization like vendor relationship, client relationship etc. and they always seem they have a pulse on the market.

The role of the business with its important are explained below:

The person who motivates alteration and solution in a business or industry is the role of business visionary. Business visionary is important because:

* Business visionary have capability to see at present as it is and analyze a future that develops and improves.
* Before others able to do business visionary see things and make sense of them.
* They choose employee, inspire them, clear up the business idea and they make communication between the team members with the client.

B.

Siobhan Mulroney might be suitable candidate for business visionary role from the name of list of people from given question.

**C.**

Reason for choosing Siobhan Mulroney for the role of business visionary are explained below:

* She is flexible, experienced and has broad knowledge of all parts of the business.
* And all the employee like fleet captain, delivery staff etc. report to her which means that she handles all employee and their activity.

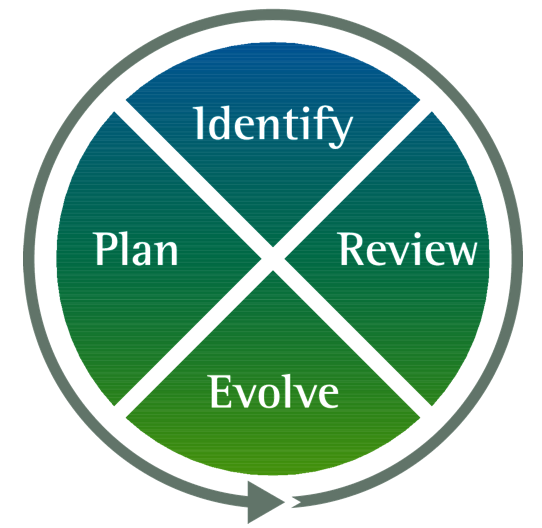
The reason for the two peoples who were not selected for the role of the business visionary are as follows:

* I didn’t chose fleet captain for this role because he is only experienced in local fishing industry that is not enough for the role of business visionary but knows good place to catch fish each day but knowing only general knowledge of local fishing industry in not enough for this role because business visionary should take risk of the business and should motivate the employee. So, only Siobhan can do this.
* Marcin Augustin only has knowledge of fishing where he used to work on deep sea. So, simply to understand he does not have that much capacity, knowledge and experience to handle the role of business visionary. So, there is no chance of choosing him for the role of business visionary role.

# Task-4

## Diagram

Fig 1: Annotated diagram of iterative development cycle which shows the iterative involvement of each team member, task which they have assigned for with software prototype. The diagram showing how users are incorporated into process and which FFF members will be involved. Doing this with relation to identify -> plan -> evolve -> review iterative development cycle is explained in the bellow’s table.



|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Identify** | | | | **Plan** | | **Evolve** | | **Review** |
| **Sprint ID** | **Story ID** | **Requirements** | **User Story** | **Prioritization**  **(Moscow)** | **Members Involved** | **Task** | **Expected days** |
| SID 1.  From:  1st January  2019  To:  9th January  2019 | S1 | Store the details of all fish stocks currently held in each of the three fishing ports. | As an admin I want to Store the details of all fish stocks currently held in each of the three fishing ports. | Must have | Lance Atkinson  (designer and developer) | Design interface to store details of all fish stocks. | 2 | First sprint was  Completed  Successfully |
| Alesha Kelly (Database administrator) | Design database to store details of all fish stocks. |
| S2 | Store the details of all direct fish sales by the company. | As an admin I want to Store the details of direct fish sales by the company for report. | Must have | Lance Atkinson  (designer and developer) | Design interface to store details of direct fish sales by the company | 2 |
| Alesha Kelly (Database administrator) | Design database to store details of all direct fish sales |
| S3 | Store details of all wholesale fish sales by the company | As an admin I want to Store  details of all wholesale fish sales by the company | Must have | Lance Atkinson  (designer and developer) | Design interface to store details of all wholesale fish sales by the company | 2 |
| Alesha Kelly (Database administrator) | Design database to store details of all wholesale fish sales by company. |
| S4 | Store details of recent wholesale prices for each type of fish | As an admin I want to Store  details of recent wholesale prices for each type of fish | Must have | Lance Atkinson  (designer and developer) | Design interface to store details of recent wholesale prices for each type of fish. | 2 |
| Alesha Kelly (Database administrator) | Design database to store details of recent wholesale prices for each type of fish. |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| SID 2.  From:  10th January  2019  To:  18th January  2019 | S5 | Analyze demand for direct sale fish based on advance orders and recent sales to identify what quantities of each type of fish to allocate to each of the four delivery vans. | As an analyst I want to analyze the demand for direct sale fish as per orders and recent sales. | Must have | Austin Parker (Analyst) | Analyze the demand for direct sale fish as per orders and recent sales. | 2 | Second sprint was  Completed  Successfully. |
| S6 | Identify which fish stocks would be best to sell via wholesaling based on demand, wholesale prices, transportation costs and delivery costs. | As an Analyst I want to identify the best way to sell the fish varieties. | Must have | Austin Parker (Analyst) | Identify the best way to sell the varieties of fish. | 2 |
| S7 | Identify optimal delivery routes based on advance orders. | As an Analyst I want optimal delivery routes based on advance orders. | Must have | Austin Parker (Analyst) | Identify optimal delivery routes based on advance orders. | 2 |
| S8 | Allocate delivery drivers to vans and delivery routes. | As an Analyst I want to assign delivery vans and routes to driver in order to deliver the fish. | Should have | Austin Parker (Analyst) | Assign delivery vans and routes to driver in order to deliver the fish | 2 |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| SID 3.  From:  19th January  2019  To:  27th January  2019 | S9 | Allow customers to register on the app. | As an admin I should know the credentials for customer registration | Must have | Lance Atkinson  (designer and developer) | Design the interface for customer to register on the app. | 2 | Third sprint was  Completed  Successfully. |
| Alesha Kelly (Database administrator) | Design the database to store the data inserted by the customer. |
| S10 | Allow customers to view photos of currently available fish. | As an admin I should to Allowed customers to view photos of currently available fish. | should have | Lance Atkinson  (designer and developer) | Design the interface for customer to view photos of currently available fish. | 1 |
| Alesha Kelly (Database administrator | Design database to store the images posted by admin and to allow view pictures for customer. |
| S11 | Allow customers to place orders for currently available fish to be delivered that morning. | As an admin I should allow customer to place orders for currently available fish to be delivered that morning. | Must have | Lance Atkinson  (Designer and Developer) | Design the interface for customer to place orders. | 2 |
| Alesha Kelly (Database administrator | Design the database to store customer’s orders. |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | S12 | Allow customers to make online payments for purchases | As an admin I should allow customer to make online payments for purchases. | Must have | Lance Atkinson  (designer and developer) | Design the interface for customer to make online payments. | 3 |  |
|  | Alesha Kelly (Database administrator) | Design the database for storing data of customer for every purchase. |

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| SID 4.  From:  27th January  2019  To:  4th February  2019 | S13 | Inform customers of their estimated delivery time for advance purchases. | As a FFF’s client I want a system which will inform me the estimated delivery time. | Must have | Lance Atkinson  (designer and developer) | Design the interface for customer to register on the app. | 2 | Fourth sprint was  Completed  Successfully. |
| Alesha Kelly (Database administrator) | Design the database to store the data inserted by the customer. |
| S14 | Allow customers to track the delivery vans routes so they can identify when the van might appear in their street. | As an admin I want system that should allow customer to track the delivery vans routes so they can identify when the van might appear in their street. | should have | Lance Atkinson  (designer and developer) | Design the interface for customer to track the delivery vans. | 2 |

# Task- 5

## Time boxes

Time box is referred as the distinct period of time for the duration of which the development team must complete the task in given period of time. It mainly used to reduce the risk of software development. Towards completing a project it helps in proficient, practical and in operative way then to complete the task within a time box then goals are set and preparation could be done. Likewise, in different sprints the projects are divided, mostly the projects are divided into minimum 7 sprints where the precedence and the delivery date are set.

The above table recruits the necessities of the project where with the participation of the CEO of FFF and the project manager the time box are set. Using the Moscow prioritization the necessities are listed in the table and sprints are divided. Similarly, there are total 4 sprints and for each sprints 8 days has been divided, altogether 32 days the whole project should be completed. Situated with the divided sprints with FFF legislature’s involvement and by understanding the delivery time the agreement has been done.

## B. Estimates

Several aspects as well as time box with budget, strength, abilities are well thought out while these aspects and active planning are taken into estimation and based on those aspects the quality is planned and then the final project’s quality is valued. Likewise, based on this estimation, financial planning, and training to keep the ability fundamentals are estimated. It is important to access likelihood and should have business case, expenses of project plan, timetables, access possibility and frequent meetings between the employee of FFF and project development team is necessary where the estimation can be used for this some thought. At last, this will give us output about the actual cost that will take to deliver the agreed necessities in respect of above mentioned aspects.

## Expected sprints (planning of sprints)

The project is divided according to the requirements into sprints, after the understanding of business necessities gained after the team work of FFF staff and project management team. Based on the requirement the project is developed and hence the sprints are time boxed. According to the annoted diagram the prioritization has been done and divided into the sprints according to it.

## Anticipated deliverables

Time is created being based on the aspects like budget, strength, abilities and then predictable deliverable whereas the anticipated deliverable is gathered being based on the existing projects improvement. While running the daily stand ups between the project management team and employee of FFF the improvement of sprint is traced and observed. Also, the deliverables is accepted with the cooperation method. Finally, the development of the android application accomplishing the sprints with the necessities is the finishing anticipated deliverables. Hence, after making the required output the sprint will be finalized and having all individuals’ necessity finally the completely functioning software will be developed.

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Project: | Finest Fife Fish |  |  | Name: | Abiraj Timalsina |  |  |  |
| Date: | 7/23/2019 |  |  | Position: | Web Developer |  |  |  |
| **DSDM Atern Project Approach Questionnaire** | | ***Indicate the closest collective opinion*** | | | | | ***Where appropriate, comment on issues or risks related to a more negative response to this aspect of the DSDM Atern approach*** |  |
| **Ref** | **Statement** | **Strongly Agree** | **Agree** | **Neutral** | **Disagree** | **Strongly Disagree** |  |
| 1 | The business driver behind the project is clearly stated and is visible to all members of the project team | ✔ |  |  |  |  |  |  |
| 2 | The Business Sponsor and/or Business Visionary demonstrate clear ownership of the project. | ✔ |  |  |  |  |  |  |
| 3 | The Business Sponsor, Business Visionary and Technical Coordinator all understand and accept the DSDM Atern philosophy |  | ✔ |  |  |  |  |  |
| 4 | The development has a clearly-defined timescale |  | ✔ |  |  |  |  |  |
| 5 | The requirements can be prioritized and there is flexibility to accept that not all requirements are 'Must Have' requirements | ✔ |  |  |  |  |  |  |
| 6 | Requirements have been defined at a high level at the outset of the project, and it is acknowledged that changes are likely during development |  |  | ✔ |  |  |  |  |
| 7 | It is accepted that the detail of both the requirements and the solution will emerge as the project progresses |  | ✔ |  |  |  |  |  |
| 8 | The Business Sponsor and Business Visionary are aware of the importance of active business involvement and have the willingness and authority to commit appropriate business resources to the project as required. | ✔ |  |  |  |  |  |  |
| 9 | The Business Ambassadors are sufficiently empowered to guide the day to day evolution of the solution |  | ✔ |  |  |  |  |  |
| 10 | The Solution Developers are sufficiently empowered to provide the best solution they can from a business perspective within pre-agreed architectural constraints. | ✔ |  |  |  |  |  |  |
| 11 | Solution development resources are allocated at an appropriate level and the team will be largely stable throughout the project (or, at least, throughout each increment). |  |  | ✔ |  |  |  |  |
| 12 | The Project Team and Solution Development team are able to adopt the roles and responsibilities within DSDM Atern | ✔ |  |  |  |  |  |  |
| 13 | It will be possible for the Solution Developers to have easy access to Business Ambassadors and Business Advisors throughout the project. |  | ✔ |  |  |  |  |  |
| 14 | The Solution Development team (including both business and solution development resources) will have the appropriate collective knowledge and/or technical skills to deliver the solution. |  |  | ✔ |  |  |  |  |
| 15 | The Solution Development team (including both business and solution development resources) will have the appropriate soft skills (communication, negotiation etc.) to work effectively with each other and those around them. |  | ✔ |  |  |  |  |  |
| 16 | Strategies for continuous communication and collaborative working practices are sufficient to clearly support iterative development of the solution | ✔ |  |  |  |  |  |  |
| 17 | The development technology tools and techniques support an iterative approach to solution development | ✔ |  |  |  |  |  |  |
| 18 | There are no technical, contractual or other constraints to prevent the solution being broken into increments for development and delivery (even if the products of such increments are not deployed immediately) | ✔ |  |  |  |  |  |  |
| 19 | All project participants understand and accept that on-time delivery of an acceptable solution is the primary measure of success for the project |  | ✔ |  |  |  |  |  |
| 20 | All parties accept that continual assessment of the fitness for purposes of all deliverables during development is essential |  | ✔ |  |  |  |  |  |
| 21 | There are no mandatory standards or practices in force that will work against the evolution of a solution from a baselined set of high level requirements |  | ✔ |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |