

NCC Level-5DC Diploma in Computing



Agile Development

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Module Title : Agile Development

Assignment Title : Cleaning Agency System

Examination Cycle: September 2015

Candidate attempting to gain an unfair advantage or colluding in anyway whatsoever (other than on joint assignments) are liable to be disqualified. Plagiarism is an offence.

Expected candidate time allocation: 35 to 40 hours

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Statement of Confirmation of Own Work

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Center Name : Daffodil Institute of Information Technology.

Module Name : Agile Development

Assignment Title : Cleaning Agency System

Number of Words : 1582

I confirm that this is my own and that I have not plagiarized any part of it. I have also noted the assessment criteria and pass mark for assignments.

Due Date:

Submitted Date:

Student Signature:

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Introduction:

Agile Development subject's assignment has four task such as, task-1: Report for managing director, task-2: Response of senior administrator, task-3: Business vision statement and use case diagram and task-4: using template given in appendix. For this assignment I have applied knowledge of various agile development skills to solve the problems described in the assignments scenario. I had to go through various researches from web sites to several books for the completion of this project. I have tried my best to fulfill all the requirement of the assignment.

Task-1

Date- 12-07-2015

To- Managing Director

From- Fatema Akter

Heading: Write a Report for the Managing director of TTC

Agile distinct from other software development methodologies:

Agile Software Methodologies:

- Dynamic Systems Development Model
- Spiral Lifecycle Model
- Systems Development Life Cycle
- Prototypes
- Incremental progress inherent project risk by breaking a project into lesser segments.
- Iterative development prescribes the creation of initially small.

Other software Methodologies:

- Formal methods are arithmetical approaches to solving software and hardware problems.
- Formal methods are mainly expected to be useful to safety-critical.
- General Criteria require formal methods at the top levels of category.
- Formalization of software development is creeping in, in new places.
- For parallel software as well as systems, process algebra, Petri nets, and finite state machines.
- A new budding trend in software development is to write a specification.

(Anon., n.d.)

Agile development is the best choice for this project:

Agile software development is a theoretical framework for enterprise software engineering projects. Tip Top cleaning agency is a small and medium-size business. For this reason agile development is the best choice for this project. Now I have describing a few reasons why agile development is the best choice for this project. Such as,

- Dynamic Systems Development Model (DSDM) boasts the best-supported schooling with certification of any of the agile software development.
- Spiral Lifecycle Model is a sophisticated lifecycle model to focuses on early recognition as well as reduction of project risks
- Systems Development Life Cycle (SDLC) is a theoretical model worn in project management to describe the stages mixed up in an in order method advance project.
- The creation of prototypes, i.e., unfinished versions of the software program mortal developed.
- Incremental development inherent project risk by breach a project into lesser segments.
- Iterative development prescribes the creation of initially small but ever-larger portions of a software project to help out all persons involved to uncover vital issues.

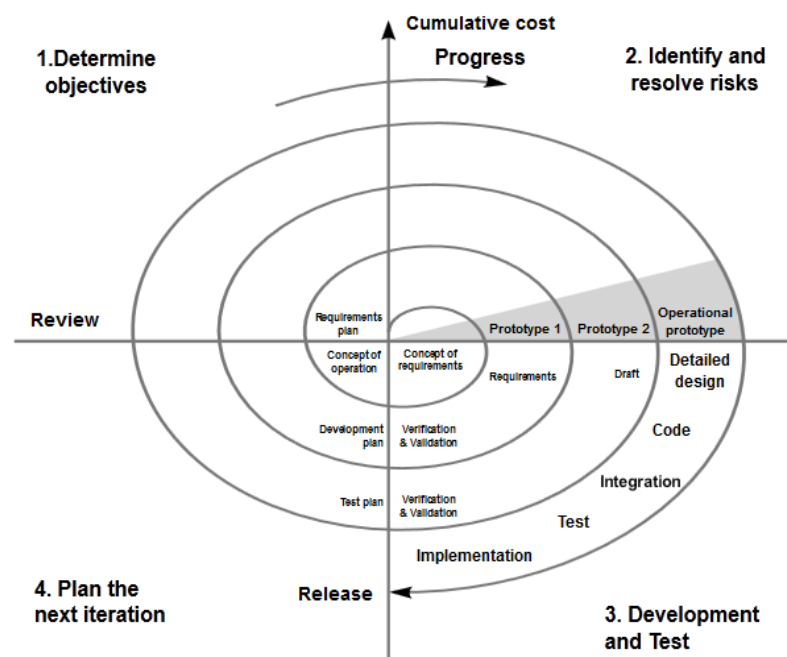


Figure No-1.1: Iterative and incremental process system

(Anon., n.d.)

Here, each system is very important for this project. That's why Tip Top cleaning agency need all system. So, agile development is best choice for Tip Top cleaning agency.

Task-2

Responsibilities of Project Manager:

- Communicating with senior organization and the project governance authorities (project board, business sponsor, steering committee etc) with frequency as well as formality that think necessary
- High-level project planning as well as setting up, but not detailed task planning
- Monitoring process next to the base lined project plans
- Managing risk and a few issues as they happen, escalating to senior business or technical role as required
- Managing the generally configuration of the project
- Motivating the teams to meet up their objectives
- Managing business participation within the solution development teams
- Resourcing high-quality roles as required
- Handling troubles escalated from the solution development teams
- Coaching the solution development teams after handling difficult situations.

(D.J&I.J.Tudor, 2010)

Whether or not Ben would be suited to this role:

Ben is suited for this role. He is good enough for this project because He has 3 (Three) years working experience of TTC company. He previously worked for a big business and he has experience as a Project Manager. So, as a requirement he is suited for the role.

The reasons Ben would be suited to this role and, what role he would be best suited to and why:

A project manager is the person who has the on the whole responsibility for the successful beginning, execution, monitoring, controlling planning, design and finish of a project. The job name is used in building, architecture, petrochemical, information skill as well as many different industries that produce products as well as services. The project manager should have a grouping of skills including an ability to ask penetrating questions, notice unspoken assumptions with resolve conflicts, as well as more universal organization skills. It follows to a project manager is one who is dependable for making decisions both large and small, in such a method that risk is controlled with indecision minimized. All decision taken by the project manager must be taken in such a system that it openly profits the project. Project managers apply project management software, such as Microsoft Project, to systematize their farm duties and workforce. These software posts let project managers to produce reports as well as charts in a few minutes, compared with the number of hours it can take if they do it by hand. The role of the project manager encompasses a lot of activities including: (Anon., n.d.)

- Monitoring and Reporting Progress
- Team Leadership
- Business Partnering
- Working with Vendors
- Creating Charts and Schedules
- Risk Analysis
- Managing Risks and Issues
- Planning and Defining Scope
- Resource Planning
- Time Estimating
- Cost Estimating
- Developing a Budget

As Ben has experience of 3 years as well as he known every system. So Ben is suitable for this role. Finally, senior management must give a project manager support and authority if he is going to be successful.

(Anon., n.d.)

Task-3

Business vision statement:

The fixed ideals type the business vision and are expressed in the company mission statement. The mission statement communicates the firm's core ideas with visionary goals, usually consisting of the following three components:

- Visionary goals the firm will pursue to fulfill its mission
- Core purpose of the firm
- Core values to which the firm is committed

They are free of business structure with the product life cycle. The three components of the business vision can be portraying as follows:

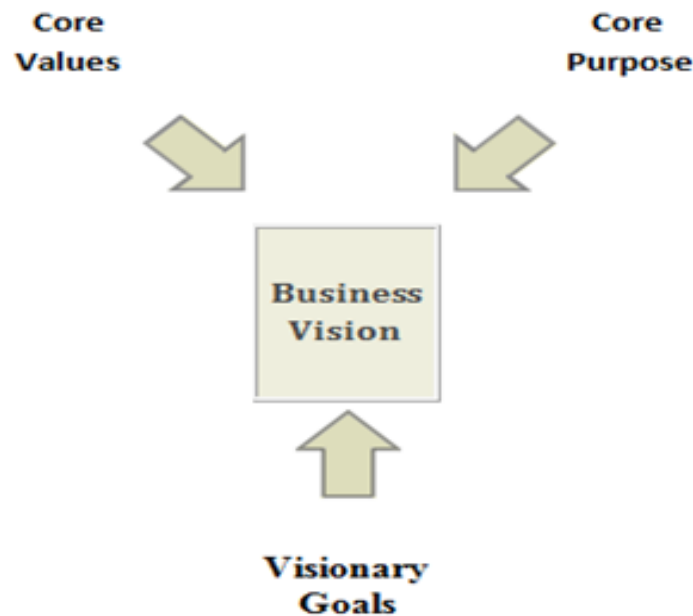


Figure No-3.1: Business vision system

Visionary Goals:

The visionary goals are the snooty objectives to the firm's management decide to follow. This vision describes a few milestones to the firm will get to in the future and can require a more to achieve.

Core Purpose:

The core purpose is the motive to the firm exists.

Core Values:

The core values are a few values no more than five or so that are vital to the firm. For example:

- creativity
- integrity
- social responsibility
- excellent customer service
- pioneering technology

(Anon., n.d.)

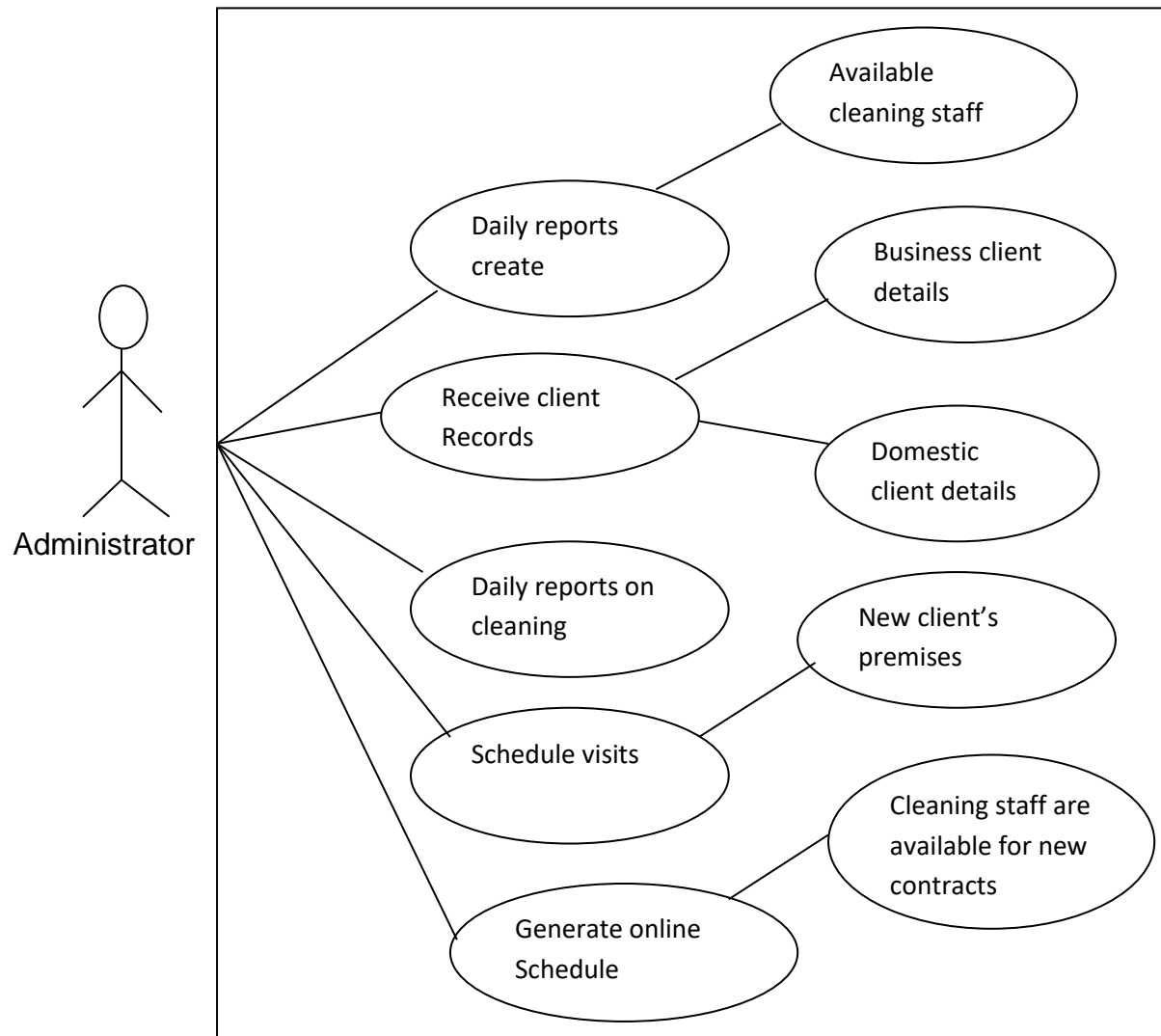
Use case diagram:**Diagram for Administrator:**

Figure No-3.2: Diagram of Administrator

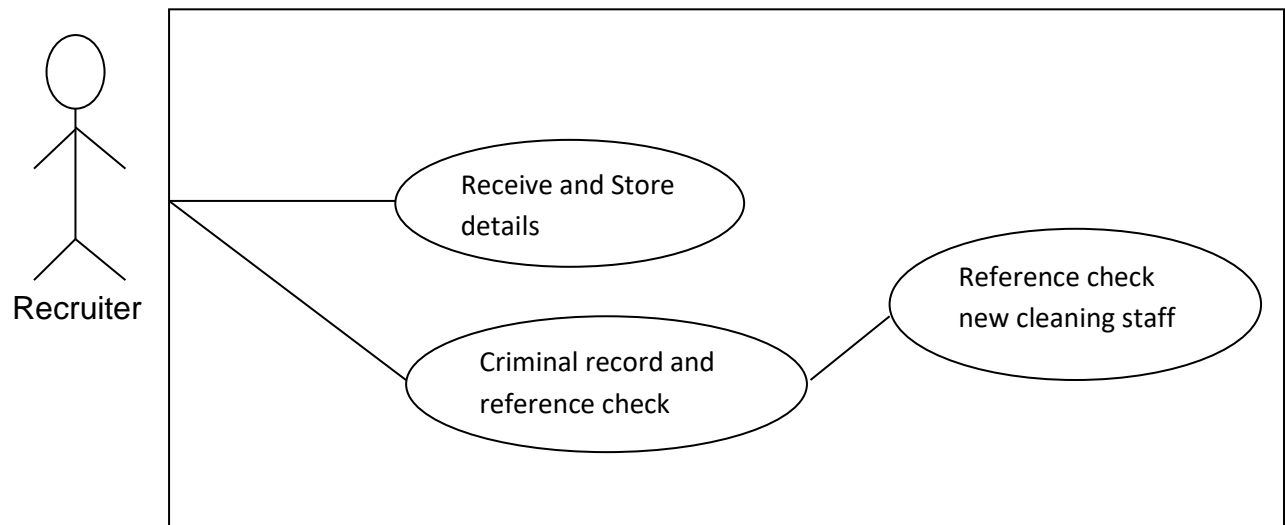
Diagram for Recruiter:

Figure No-3.3: Diagram of Recruiter

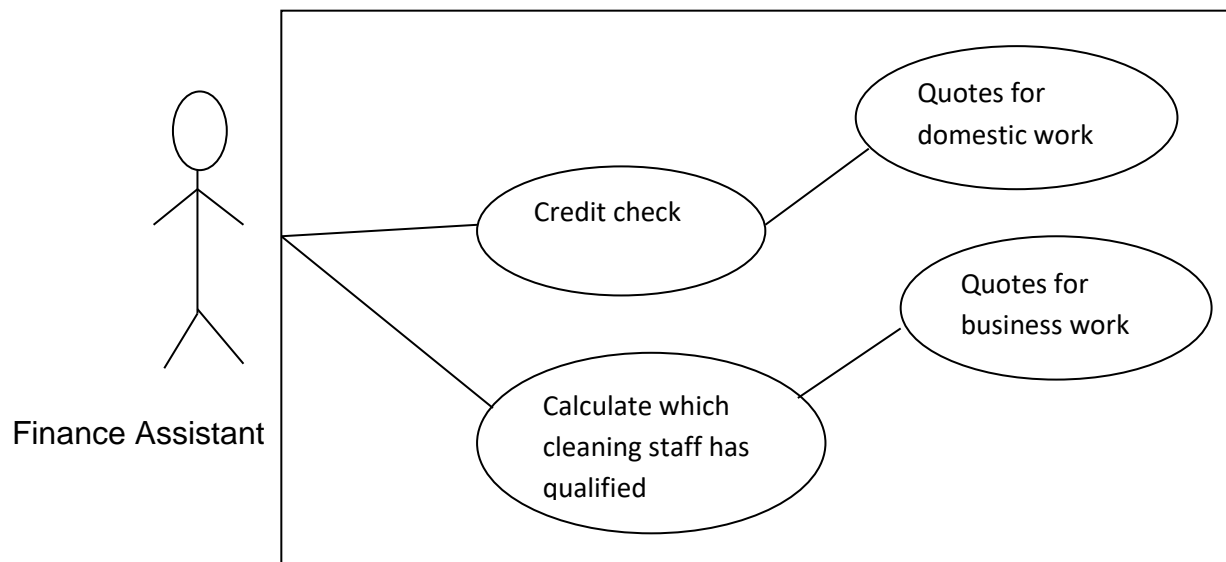
Diagram for Finance Assistant:

Figure No-3.4: Diagram of Finance Assistant

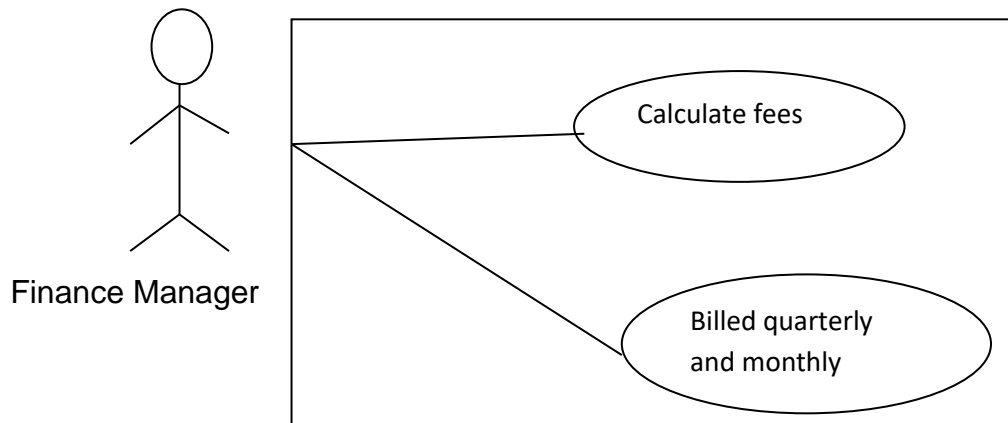
Diagram for Finance Manager:

Figure No-3.5: Diagram of Finance Manager

Task-4

Requirement List:

Requirements identifier	Requirement short name	Requirement description	Acceptance criteria
R1	Store client details	Receive and store details of new clients	Via telephone, fax, post or email
R2	new domestic details	Receive details of new domestic	Via telephone, fax, post Or email,
R3	Store cleaning staff details	Receive and store details of new cleaning staff in person	Staff, person, carried out by Recruiter
R4	Record criminal	criminal Record and reference check of new cleaning staff	Staff, carried out by Recruiter
R5	Check clients credit	credit Check of new clients	carried out by Finance Assistant
R6	Visits schedule	schedule Visits to new clients premises	carried out by Administrator
R7	Daily reports create	create Daily reports of available cleaning staff	Staff, carried out by Administrator
R8	reports create Daily	create Daily reports of one-off cleaning contracts	carried out by Administrator
R9	Fees calculate for clients	calculate Fees for clients for ongoing contracts	carried out by Finance Manager
R10	calculate Fees for clients	calculate Fees for clients for one-off contracts	carried out by Finance Manager
R11	Online schedule generate	schedule indicating when cleaning staff are available for new contracts	carried out by Administrator
R12	Qualified staff calculate	Cleaning staff have Qualified for a 10% bonus monthly hours worked	carried out by Finance Assistant
R13	Cleaners earning calculate	calculate earnings for each Cleaner	carried out by Finance Assistant

R14	Payment create overdue	Overdue demand letters if a client is more than 30 days late paying their bill	carried out by Finance Assistant
R15	Domestic work generate	Quotes for Domestic work based on building size	carried out by Finance Assistant
R16	Business work generate	Quotes for business work based on building size and type	carried out by Finance Assistant
R17	Print quotes system	New system should be able to Print quotes	Print quotes ,invoice, pay slips and overdue

Conclusion:

In the achievement of this assignment I had a great working experience. I got to learn use case diagram. Hopefully my experience will help me achieve greater success in the near future where agile development problems will come out.

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