|  |
| --- |
| 1.0 Head Office Server |
| Member’s file |
| Verification  File |
| Transaction file |

1. Mazao watering company intends to develop a system that would automate its operations. Customers are required to sign up for an account in the comppany’s website which prompts them to fill in registration details, the submitted forms are stored in members file in the server located in the head office. Members are then required to verify their accounts using the link rovided in an email that was sent to by the server. Upon verification their details is the stored in the verification file. The verified members login the company’s website using their credentials and select the type of transaction such as payment, print statement, customer care and suggestions box After the completion of the transaction, a transaction receipt is printed and transaction file updated Draw a dataflow diagram to model the described system

|  |  |
| --- | --- |
|  | Registration  details |

|  |
| --- |
| Customer |

|  |  |
| --- | --- |
|  | Verification  email |

|  |  |
| --- | --- |
|  | Transactions |

|  |  |
| --- | --- |
|  | Transaction receipt |

1. Question two

Sets of criteria used

1. Efficiency. I’d check on whether the students’ system is using resources well or it’ll be an extravagant system yet a simpler one can be made to do the same job.
2. Effectiveness. The system should reach its set objectives.
3. Interdependence. The entities of each system, to achieve a specific goal, it has to follow given instructions and its relation to other entities of the same model as well.

I would involve some teachers who would assist me in the process of evaluating and analyzing the students’ system. Id also involve the students themselves in order to explain the systems to us better and correct them where needed.

No. the students may have developed different systems which have different approaches to reaching the set objectives and as long as they all understand the work they are doing, I’d be satisfied.

The common deliverable of this task is achieving interdependence between the students and independence amongst them, efficiency of the project will be mostly met as most of the errors will be corrected during analysis and evaluation since the criteria used is set on the characteristics of a system and the objective of each characteristic.

ii. You are a system analyst working for a project to develop an internet for a large organization with several thousand employees working in offices throughout in Kenya. This will be the organization’s first intranet, and executive management wants it to help increase employee efficiency and commitment to the organization regarding internet content functionality. Due to the size and geographic distribution of the organization, as well as project time constraints, there is insufficient time and resources for personal interviews, so you have decided that a questionnaire is needed. Requirements:

1. What facts and opinions do you need to collect?

b. Should all employees in the organization be surveyed? Why or why not? If not, all employees should be surveyed, how would you select the employees to be surveyed? c.

What format do you think would work best for this survey questionnaire? d.

How long should the survey questionnaire be in order to get the necessary information without discouraging employees from filling it out? e.

Create the survey questions.

3.

|  |  |
| --- | --- |
|  | Book details |

|  |
| --- |
| 1.0 |
| Book return |

|  |
| --- |
| 2.0 |
| Book renting |

|  |
| --- |
| user |

|  |
| --- |
| 3.0 |
| Book reserve |

|  |
| --- |
| librarian |

|  |
| --- |
| 4.0 |
| Overdue charges |

|  |
| --- |
| 5.0 |
| Book inquiry |

|  |
| --- |
| 6.0 |
| Book order |

|  |  |
| --- | --- |
|  | Supplier’s details |

|  |
| --- |
| supplier |

Question four

Let’s say you are on the project team of a project that had a great deal of difficulty during the requirement analysis phase, and fell several weeks behind the schedule. The project manager wants to try to catch up by either skipping or abbreviating some of the tasks in the logical design phase. After all, the project manager reasons, we really have a clear idea of the requirements now, the designers and builders are really experienced, and they don’t really need the logical design in order to do the technical design. Is this a legitimate method to get back on schedule? what the possible consequences? Discus

No. when skipping some stages or abbreviating them in the logical design phase, we are likely to lose more time.