Question 21.

a. 1. Project Management Techniques may include a feasibility study which can help ensure the successful completion of a software development project, this study helps the determine weather the proposed project is Financially feasible, Operationally Feasible, the Schedule Feasible and Technically Feasible. If the project is not feasible in any of these areas the project would be better of reconsidered.
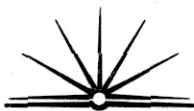
2. Another Project Management technique could include keeping a log book, keeping a log book, can help developers keep track of whats happened and how productive the development team has been. The log book can also be compared with the Gantt chart to see that activities are being completed by their dead line.
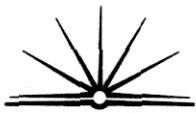
b.	In this type of situation management and the project team should be extremely careful of any obstructive activity.

The project team should ~~be~~ not be discriminatory towards the people who have lost their position in the project development, they should be given a new task in which will keep them busy and enthused. Therefore keeping employees happy and out of mischief. ~~If this~~ If this strategy can not be enforced, the remaining team should be protective of their work, passwords should be changed and access of the project should be stripped from people not working on it, and the project team should be kind and comforting from the employees who have lost their positions.

ci.

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┌─────────────┐      ╭──────────╮      ┌─────────────┐      ┌─────────────┐
│ Customer    │      │Reservation│     │ Customer    │      │ Customer    │
│ Details are │─────▶│ + keys    │────▶│ checks out. │─────▶│ checks      │
│ Entered     │      │ issued    │     │ stays for   │      │ out         │
└─────────────┘      ╰──────────╯      │ period      │      └─────────────┘
                                       └─────────────┘              │
                                                                    ▼
┌─────────────┐      ╭──────╮      ┌─────────────┐      ╭──────╮
│Staff records│      │ cust.│      │bills issued │      │ keys │
│  payment    │◀─────│ pays │◀─────│  to guest   │◀─────│returnd│
└─────────────┘      │ bill │      └─────────────┘      ╰──────╯
       │             ╰──────╯
       ▼
┌─────────────┐      ╭──────╮
│ reciepts are│      │Staff │
│             │─────▶│issues│
│  printed    │      │recipt│
└─────────────┘      ╰──────╯
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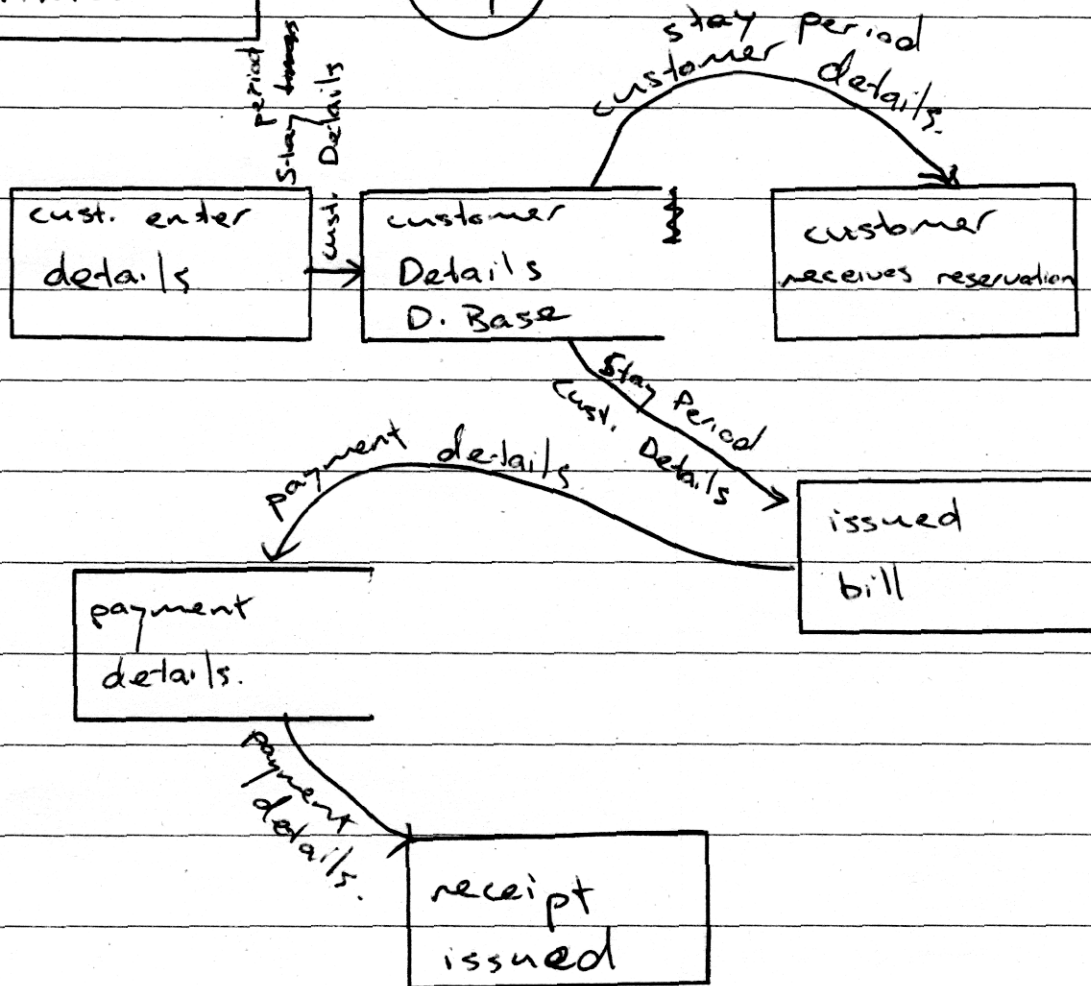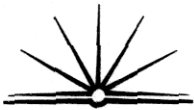
ii.

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                                    stay period
                              customer        details.
┌─────────────┐   ┌─────────────┐            ┌──────────────────┐
│ cust. enter │   │ customer    │            │ customer         │
│ details     │──▶│ Details     │───────────▶│ receives         │
│             │   │ D. Base     │            │ reservation      │
└─────────────┘   └─────────────┘            └──────────────────┘
                          │  Stay Period
       payment details    │  Cust. Details
      ┌──────────┐        ▼
      │          │   ┌─────────────┐
      ▼          │   │ issued      │
┌─────────────┐  │   │ bill        │
│ payment     │  │   └─────────────┘
│ details.    │
└─────────────┘
       │ payment
       │ details.
       ▼
   ┌─────────────┐
   │ receipt     │
   │ issued      │
   └─────────────┘
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iii. Data flow diagrams and reviews of the existing system can be assisted by staff, as they can describe how the ~~existing~~ "ABC Motel System" works, ~~who~~ what information they enter into the system and who information the system gives back. Employees can outline any difficulties they have or have had using the ABC Motel System. They can outline any information I may require during my review as they are they ~~an~~ users and they know best how it works.