Paper C

Question #1)

Any machinery or computer made is critically analyzed and evaluated on usability. For every Human Computer Interaction scenario what comes first is the benefit of the user. A machinery in view is an elevator that is used in all sorts of buildings whether commercial or residential. Moreover, the clients can be subjected to any disability which has to be critically evacuated when constructing such an elevator.

Overall evaluation of such computer-based schemes is done on the basis of a so-called DECIDE framework. Which deems important the determination of the requirement and goals, followed by exploring the question and digging deeper into the queries and choosing the approach to evaluate the up taken procedures. Practical Issues are to be identified and a scheme is to be generated on how to deal with these and other added issues. Finally, there is the thorough evaluation to the issue that helps us generate the final data.

For making an elevator in a residential setting child with the age of around 10 and above should be able to use them easily. The major requirement for this would be installing the control panel close to the ground but should keep a check that children under that age cannot reach it. Another setting that can be done is that the control panel should be displaced on the opposite side of the door so that the children will not stay near the door while they use the elevator alone. Another design that can be followed is that the numbers that involve floor selection should be placed downwards, while the manual door control and emergency stopping the elevator should be displaced at a height. This way the elevator can be really handy for kids.

Other than the issue with children the elevator should be user friendly with adults as well. First of all, it should be tech friendly with limited and easy to use options. Generally, old age people aren't familiar with the world of technology so they would just prefer a simple system installed. At an old age people develop a visibility issue which needs to be put into consideration. The buttons in view should be made larger and they should be installed with lighting inside that glows red. This is because red is the most visible color. Moreover, there can be voice assistance installed. The old people could just speak up and tell their designated floor setting. The computer installed should also speak the instructions back so that the client could see if they choose right.

Their can be random power cuts and few disruptions that can keep the client isolated for about 10 seconds. First of all, there should be a battery infused light and fan installed that work without external electricity. This will keep the atmosphere fine. Moreover, a private generator should be installed for each and every elevator so that it does not go into lockdown while execution. Moreover, there should always be an emergency escape installed so that if there is a longer cut of mechanical fault, the clients can easily escape. For

every such elevator there should be a telecommunication outlet installed so that the client can easily contact the operator of the security in charge.

These are the complete design requirements for the provided scenario's which can help constructing a usable elevator

Question #2 part a)

USER INTENTIONS	SYSTEM RESPONIBILITY
Call Sandwich Robot	Attend call and call out the initial menu and choices for the user. Example (Press 1 to hear menu, press 2 to Place Order, Press 3 to give feedback)
Presses 1	Robot reads out the whole menu and different sandwiches available and directs them back to the main menu.
Presses 2	Robot asks for order and displays the list of available options.
Presses the desired sandwich	The robot locks and adds the sandwich to check out.
Proceed to pay	Options available displayed, (RoboPay or online transfer).
Chooses payment method	Asks for credentials and processed payment. Gives out the expected time of delivery.
Received order	Message floats to the client asking for feedback.

Qs 2 Part B

A) Selecting a desired sandwich

- Find the sandwiches that client wishes to eat.
- Read about the sandwiches.
- Select the sandwich.
- Choose where these sandwiches are sold best.

B) Find the delivery number
- Locate the phone number near the top of the section.
- Contact the sandwich delivery service.

C) Convey sandwich section to the system
- Dial the phone number.
- Listen to the recorded message about sandwich delivery that also delivers the menu.
- Listen to the instruction carefully.
- Find the number next to the selected sandwich.
- Type in the number code

D) Confirm selection
- The system reads back the sandwich name and asks for confirmation.
- Confirm the order.
- Select payment method and make the payment.
- Be told about the wait time

E) Get the sandwich
- Wait for the time that was said.
- Keep track of the delivery.
- Receive sandwich.
- Give Feedback.