

Assignment#3

ACTIVITY DIAGRAM

Food vending machine:

Vending machine that sells and produces tickets to commuters and according to those tickets provide commuters their requested food items (food items: time is taken to prepare fresh food). This kind of a machine is a combination of both hardware and software, which first generates the ticket and then serves requested food item after taking some time for preparation and it is only a part of the whole system selling food to the customers.

Assume all steps from start to end keeping the vendi machine processing in mind. Marks will be given on the basis of correct assumptions.

IMPORTANT NOTE: In case of any assumptions, write them in bullet points in a separate word document.

Assignment#4

STATE CHART/DIAGRAM

Analyze and Design the State chart Diagram that shows the state of Mail Service. Nowadays Business communication is done over virtual meetings but for proof, details are shared over Mail Service. Mail Service is a feature that is provided by many web Application, most commonly there is two Web Application that provides very effective Mail Service (GOOGLE & MICROSOFT).

Let's suppose we will heighten the light basic states of Sending Mail Service. Your system is an idle situation, an applicant wants to send an email to the sender. For this he/she has mentioned the substate to start from Logged-in the Gmail account, now there are many possible states comes like [as searching, sending, downloading, and moving to trash], User can put himself for searching and the system will go in search state if search found then the system will download a file from a server. The system has another sending state if the user composes the email after this system will be sent the email to the sender. If the email is ready but the system is busy due to the backhand thread then it will show waiting until the time is out. If the system will receive emails

then the system downloads it from a server. The system can also show the state of permanent and temporary delete by moving to the trash and delete state.

Important Note:

1. Last date of submission is **Monday, 28th November 2022 – 11 AM**.
2. For any late submission (one week late) penalty will be deduction of 0.5 marks each day.
3. After that one week, no submissions will be accepted and you will be marked straight zero.
4. Students are required to submit the assignment individually.
5. Plagiarism, if detected, will result in zero marks.
6. Assignment must only be submit via slate or google form or what so ever instructed by the teacher.
7. Submit the assignment after making a single zip archive of the assignment files. Submit in “zip folder only” no rar, no any other format is accepted.
8. Folder hierarchy: MS Word document reports in /doc folder, generated source code in /code folder (if any), all exported PNG diagrams in /dia folder and Papyrus models and project files in /model directory are required. Use only Papyrus for modeling and submit the project files.
9. Archive the assignment and name it “**FASTAssign3N4YourRollNo.zip**”
10. Cover Page of Assignment document must contain: Student name, Roll no, Date of submission.
11. There is only one submission allowed.