

ICS222 – Object Oriented Analysis and Design

LAB 7: Activity Diagrams

Exercise 1:

Using the narrative below, create an activity diagram.

A customer makes an appointment with an eye doctor. The eye doctor performs an examination. The eye doctor prepares the prescription. The customer goes to the eyeglasses store. The customer selects the frame. The customer selects the lenses. The eye glass store constructs the glasses. The customer tries them on. If they fit the customer pays for them and goes home. If they don't fit, the eyeglasses store adjusts the fit and the customer tries them back on. The previous step is repeated until the glasses fit.

Exercise 2:

Draw Activity diagram with swim lane for the front office system in a 5- star hotel described below.

Front office of any hotel is responsible for all room reservations, room allocations and final settlement of bills. Any company or person can reserve rooms for their future stay. They have to indicate from what date to what date they need the room. They also have to indicate how many rooms are required. Sometimes the reservations could be cancelled or dates or number of rooms changed. For reservation, cancellation or modification of rooms, customer receives an acknowledgement from the hotel

Exercise 3:

In a Business school, once a student is admitted, he/she will be assigned a counsellor. The student has to report to the counsellor & fill his/her personal details in the counselling file. Student's queries/problems are addressed by the counsellor, which is also recorded in the counselling files. The Principal of the school monitors the process of counselling i.e. the problems reported by the student and actions taken by the counsellor. As the strength of the school has increased, it is not possible for the principal to monitor the counselling process manually. Draw the activity diagram with swim lanes.

Exercise 4:

Draw the activity diagram of your python project