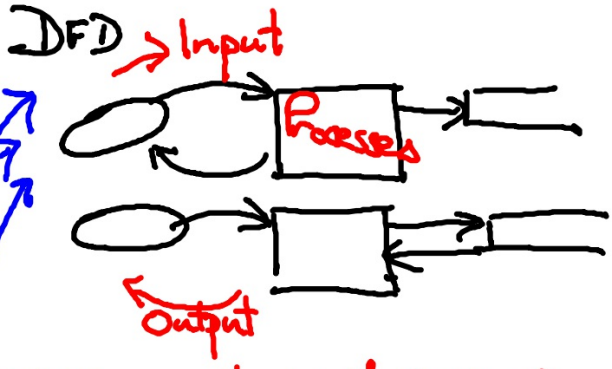
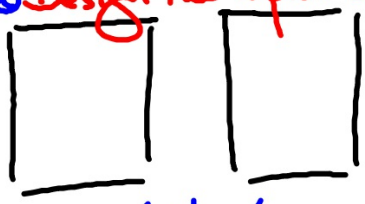
① Use the DFD to design I/P/O

Components of a Requirements Specification

Component of Report	What should be in the section/component
Problem Definition	**Identify:** • The client, the end user, the audience, the system. • Explain the needs of each. • Explain exactly what the system has to do.
Investigation into the system	Use investigation tools to be able to describe the system
Scope	Outline the scope of the project in terms of what deliverables need to be done
Cost/Benefit analysis	Undertake a cost/benefit analysis
Inputs/Data Capture	Where will the data come from? What type of data will it be? How will the data be formatted? How much data will there be? How often will new data occur?
Processing	What calculations will need to be done? What sorts and searches may need to be done? How will the user navigate the system? Will the system be interactive?
Outputs/Screen views, report layouts	What documents will the system need to produce? What screen outputs will the system need to produce? Who will use the outputs... client? End user? Audience?
Alternative solutions	Explain possible alternative solutions
Recommendations	Make your recommendations based on your technical knowledge and the best business case.



② a Design the input screens



b write out the (processes) pseudo code

c design the output screens/printouts

③ Explain possible alternative solutions