

Case Study

Create a list of about 1 or 2 well-known software applications (example, Facebook, LinkedIn, Amazon, Netflix etc) that you actively use, and identify the patterns in accordance with learned SW Architectural styles.

Part #1

- 1) Give a short description of the application and draw a C4 Context diagram showing the systems used.
- 2) Pick up any one system of your choice and draw a C4 container diagram
- 3) List out the technology stack used for the containers

Part #2

Pick out the following patterns from the container diagram and show them separately

- 1) Pipes-and-filters architecture
- 2) Client-server (2-tier or 3-tier)
- 3) Plug-in (or) Microkernel architecture

Please Upload PDF document that contains your answers along with the diagrams

Note: Use of C4 context diagram is not mandatory. You can draw diagrams using simple blocks and arrows.