

Question #2

Launched in November 1995, **RADARSAT-1** provides Canada and the world with an operational radar satellite system capable of timely delivery of large amounts of data. Equipped with powerful synthetic aperture radar (SAR) instrument, it acquires images of the Earth day or night, in all weather and through cloud cover, smoke and haze.

Commercial and scientific users in such fields as disaster management, interferometry, agriculture, cartography, hydrology, forestry, oceanography, ice studies and coastal monitoring are given access to the collected and stored data.

What architecture style would be the most appropriate? Briefly justify your decision (include advantages and disadvantages of this architectural style).

Answer:

Blackboard => data centric + large amount of data. Component using the data will be independent from each other.

Question #3

Would the pipe and filter architectural style be applicable to your project (as a whole – not only for your specific plug-in)? Justify your decision and list some advantages/disadvantages of the architectural style you selected.

Probably at least a 2-tier architecture

- ⇒ Networked
- ⇒ Server
- ⇒ Client

The client side would be an event-based architecture, since it is a GUI

- ⇒ Even for the client: Pipe and filter would not work => since it will be GUI driven