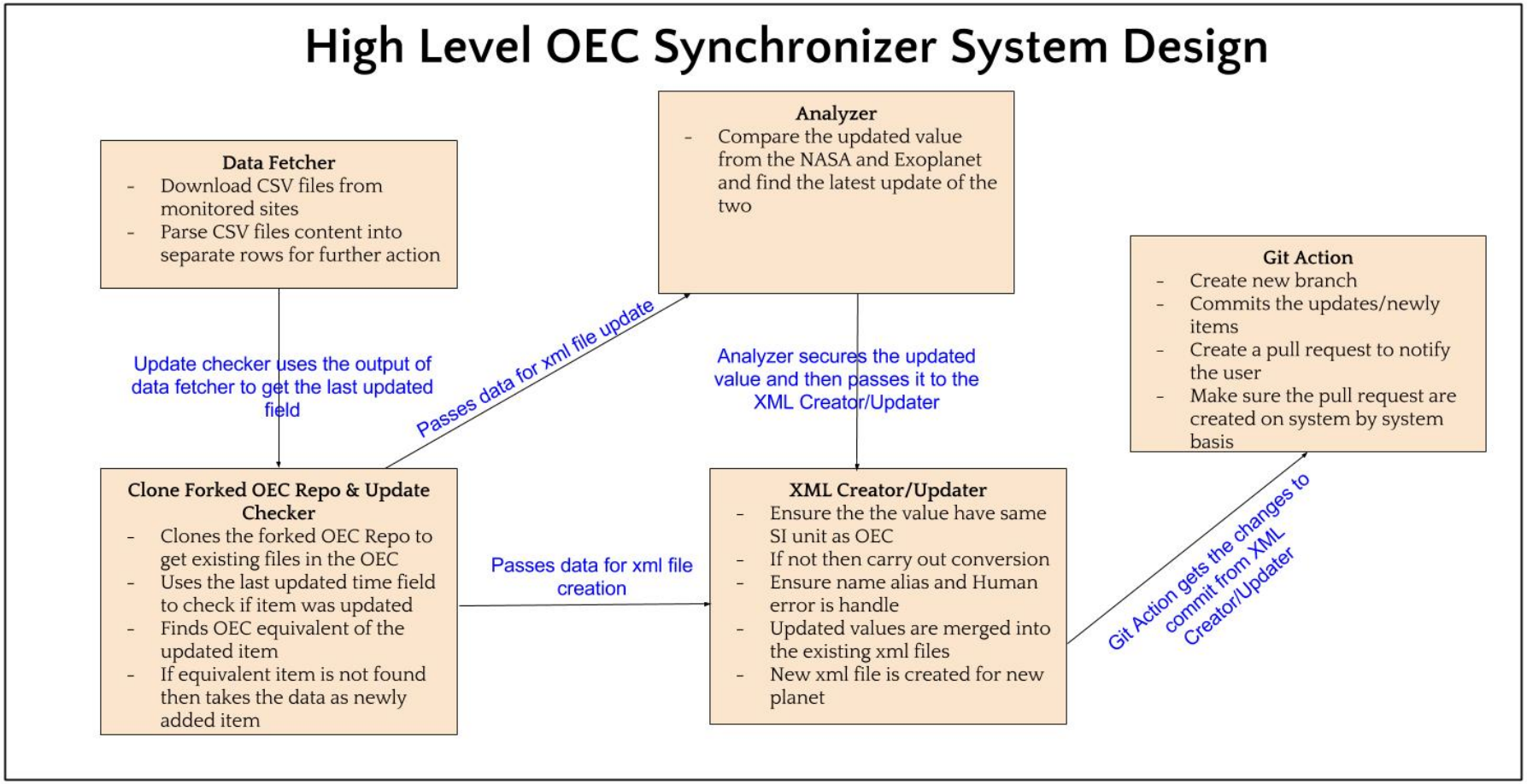
High Level OEC Synchronizer System Design



System Design From Deliverable 3 to Deliverable 4

The system design had minor change from deliverable 3 to deliverable 4. The software is now designed to make a clone to a forked OEC repository every time to get the latest version of the xml files. Update checker finds the OEC equivalent of the updated item. In the system designed from deliverable 3, xml files are created every time. In deliverable 4, we have changed this part of the design where new xml files are created if the planet does not currently exist in the OEC. If the updated item is from an existing planet, the analyzer compares the two updated values from the monitored catalogues (NASA and Exoplanet) and chooses the value from the catalogue that was updated most recently. This updated value is then passed to the XML Creator/Updater where the updated value is merged to the existing xml file. Lastly, the changes are committed and pull requests are sent to the client.

System Design From Deliverable 4 to Deliverable 5

There were no changes in the System Design from Deliverable 4 to Deliverable 5

Is It Possible That You Will Make Changes to Your System Design, as You Implement More Features?

The changes that our group made from deliverable 3 to deliverable 4 was due to changes in the way we implemented the features (as stated above). By the end of deliverable 5, the OEC Synchronization program now has all the planned features implemented. Thus, the existing components from this version of the system design will not change. However, as more features are implemented in the future, it is possible to add new components to those existing ones.