

SOCIAL NETWORK ANALYSIS FRAMEWORK

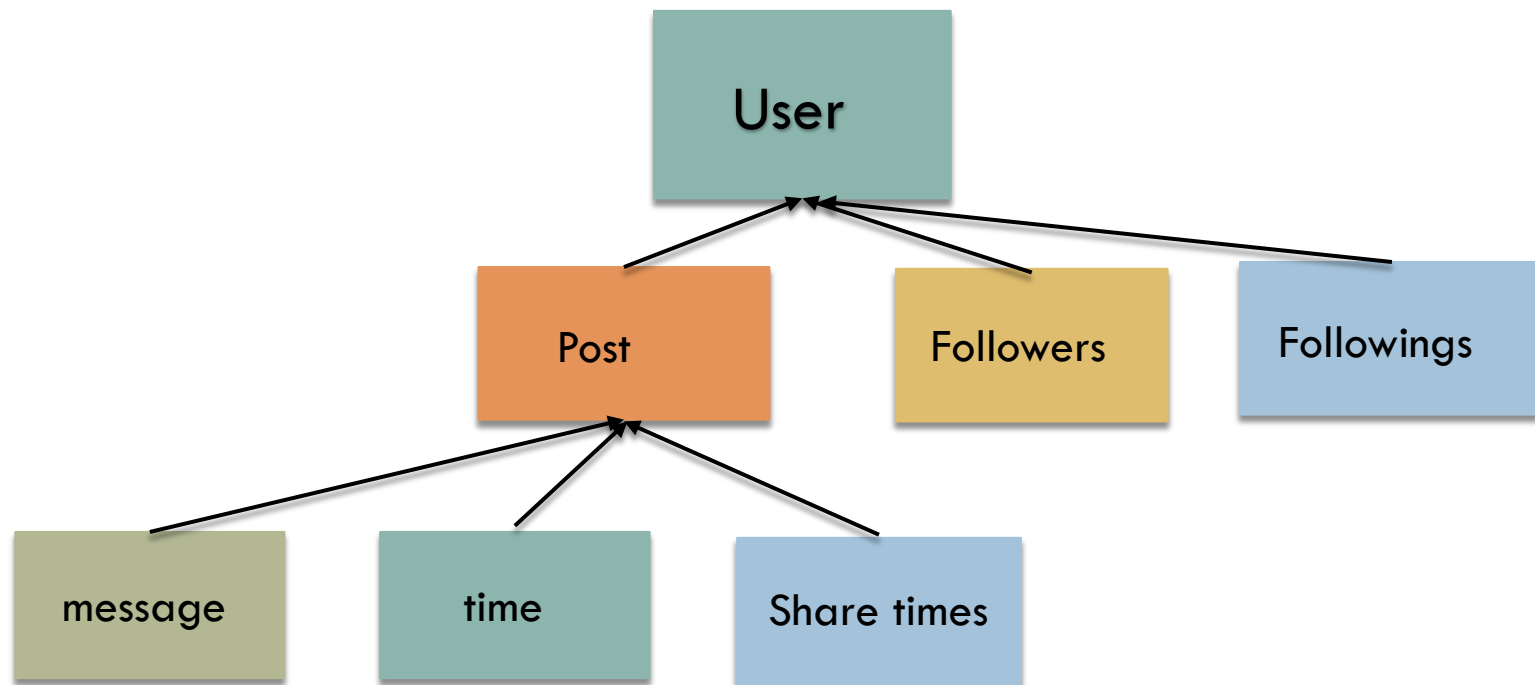
Team 33:

Siyu Wei

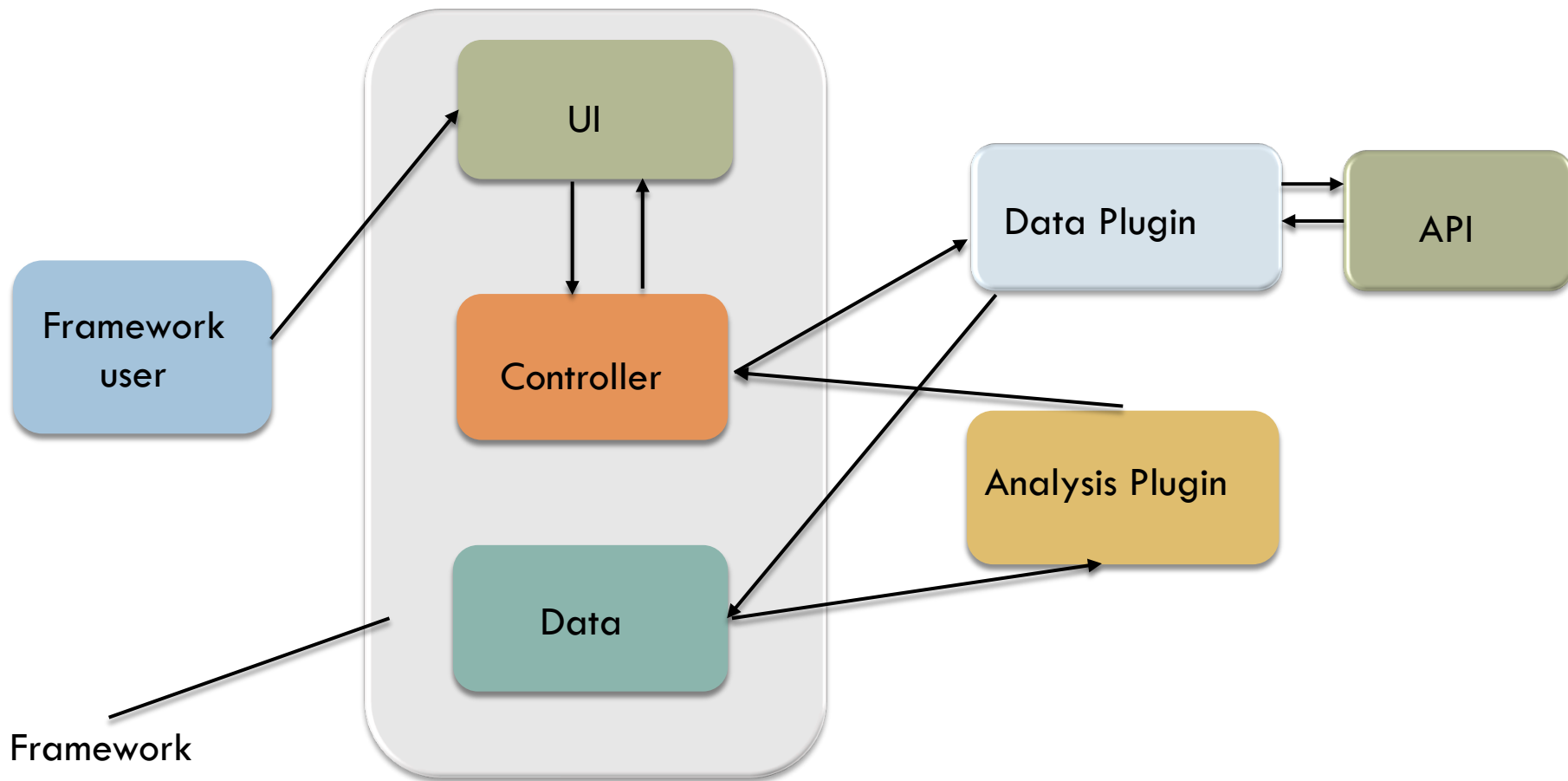
Shanshan Gao

Pan sun

Discover Commonalities

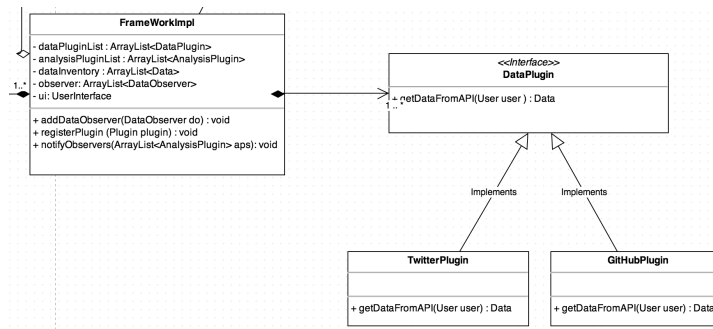


Brief Description



Design Decisions

- **Highly cohesive**
 - Clearly divided the hot spot and cold spot
 - Framework ↔ cold spots
 - Data Plugin Interface/Analysis Plugin Interface ↔ hot spot
- **Highly extensible**
 - Strategy Pattern for plugins
 - Better decoupling the behavior between framework and plugins
 - Plugins can be changed without breaking the framework



Interaction

- 💧 Register plugins with the framework
- 💧 Specify a user id with the framework
- 💧 The framework will call data plugins to retrieve data from APIs
- 💧 The framework will cache and update the data
- 💧 Notify the analysis plugins
- 💧 Analysis plugins analyze data and return a JPanel with results