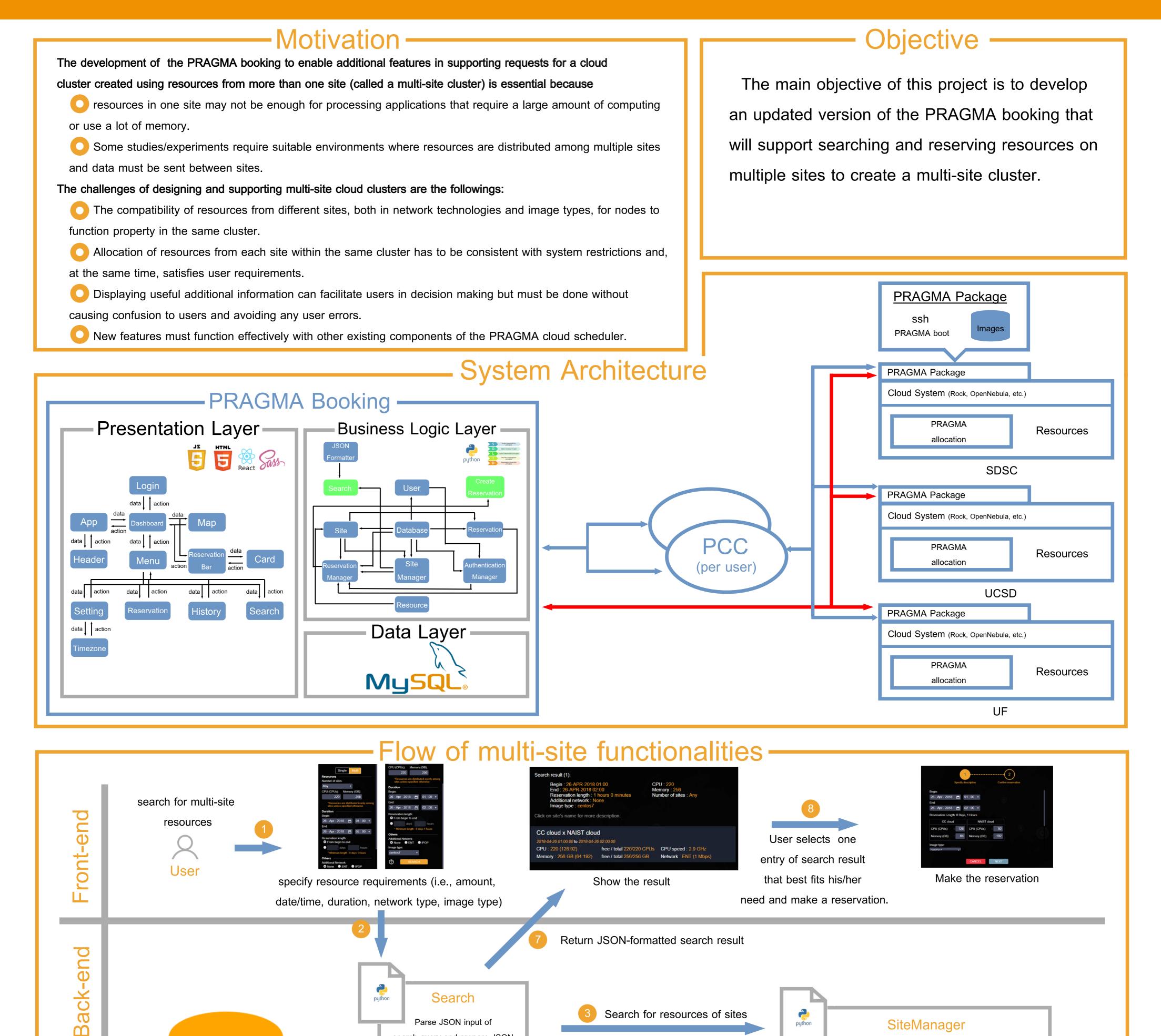
## Multi-site Cluster Reservation for PRAGMA cloud

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## Summary

Return search result

SiteManager

Check for sites that match network type and image type in

Check for sites that have resource availability according to

Generate combinations of sites that match the above criteria

O Compute proper resource distribution among sites

the user requirement.

- Develop the PRAGMA Booking system to support multi-site cloud clusters in order to solve the insufficient resources problem for processing applications that require a lot of calculation.
- Allow modification of the single-site and multi-site resource reservations (Not yet activated).

Parse JSON input of

search query and prepare JSON

output of search result

Add details about each site's resources (e.g. processor and network speed), to assist users in making decisions.

Get data of sites

Return data of each site

Database