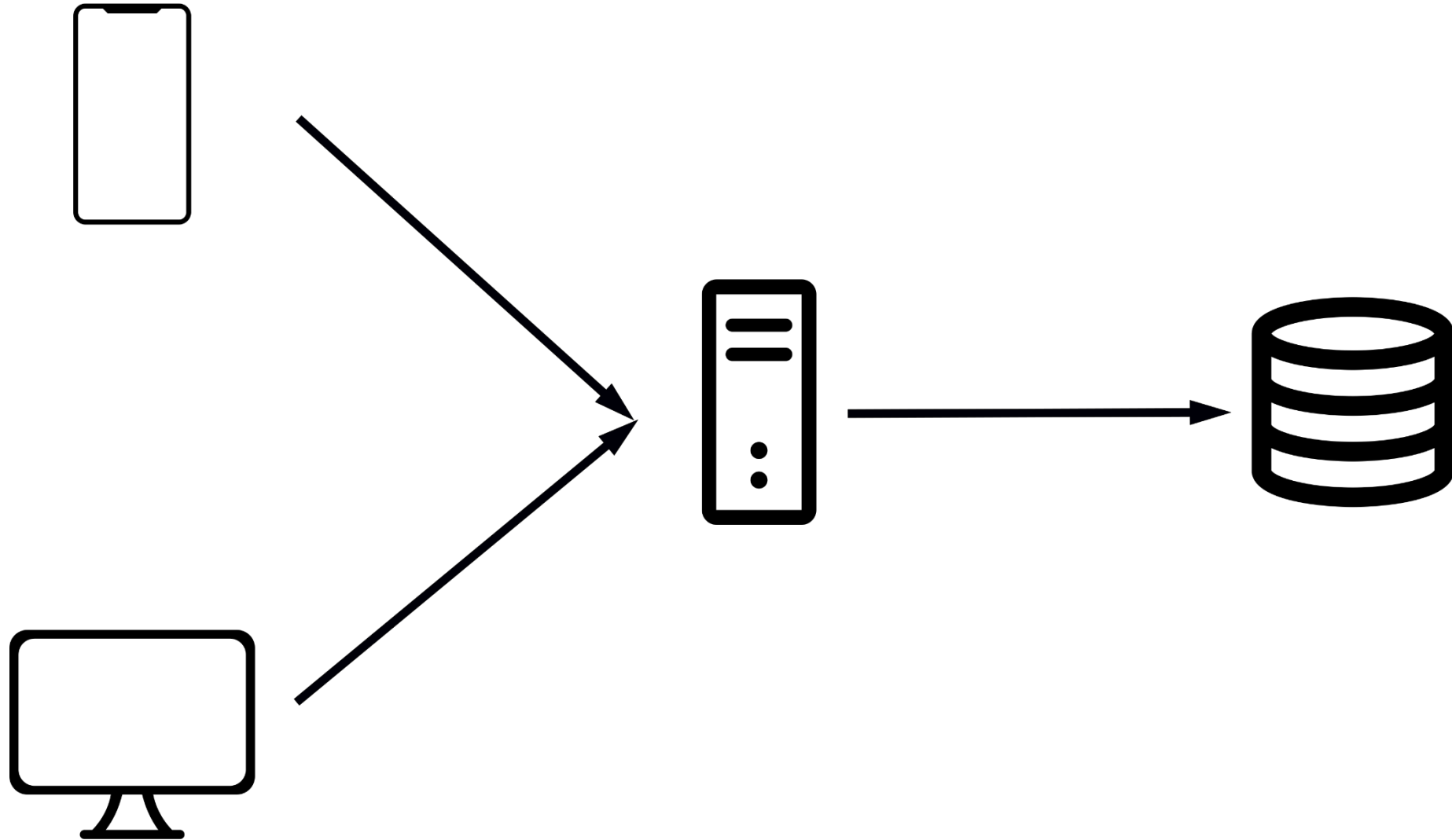


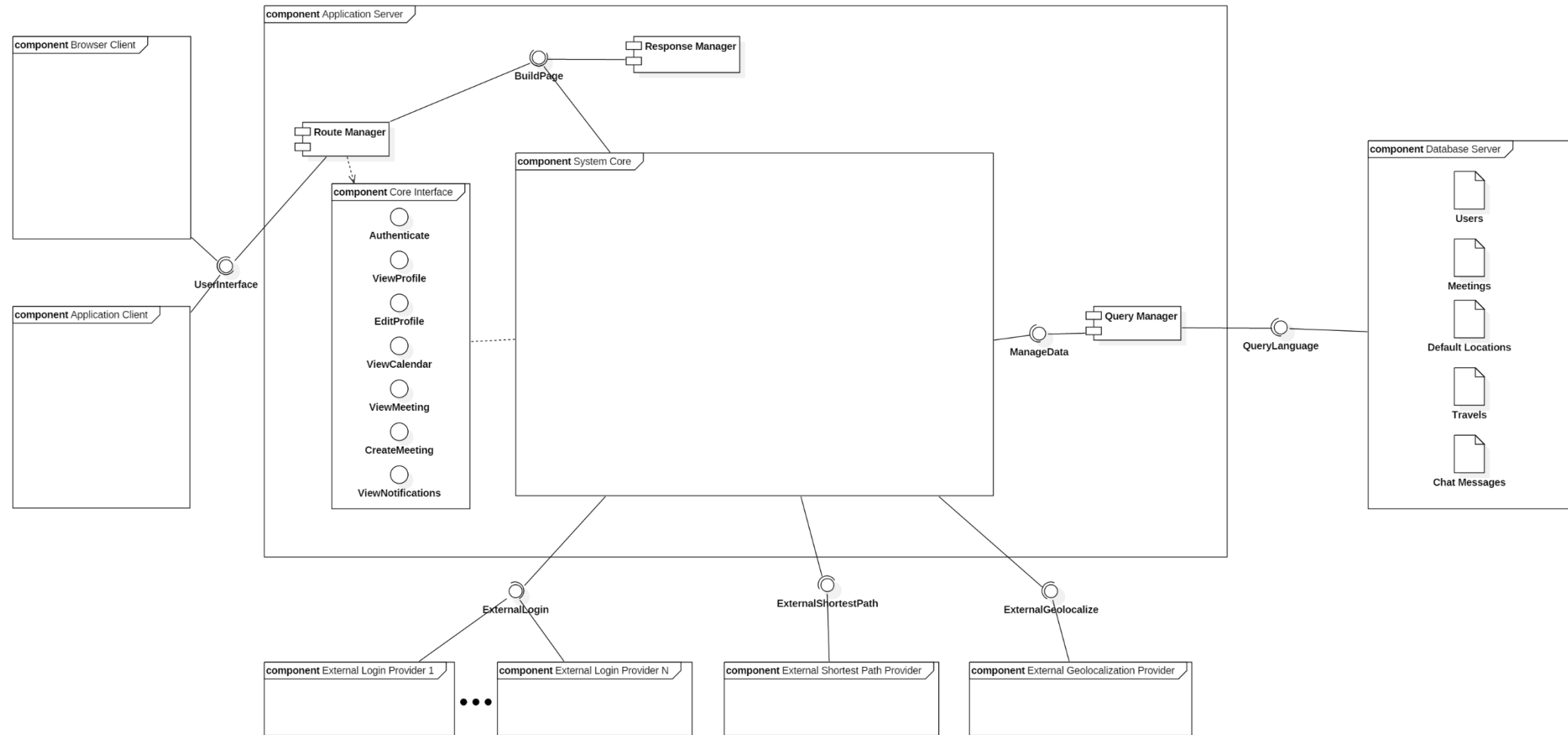
DD

FEDERICO BETTI – TOMMASO BIANCHI

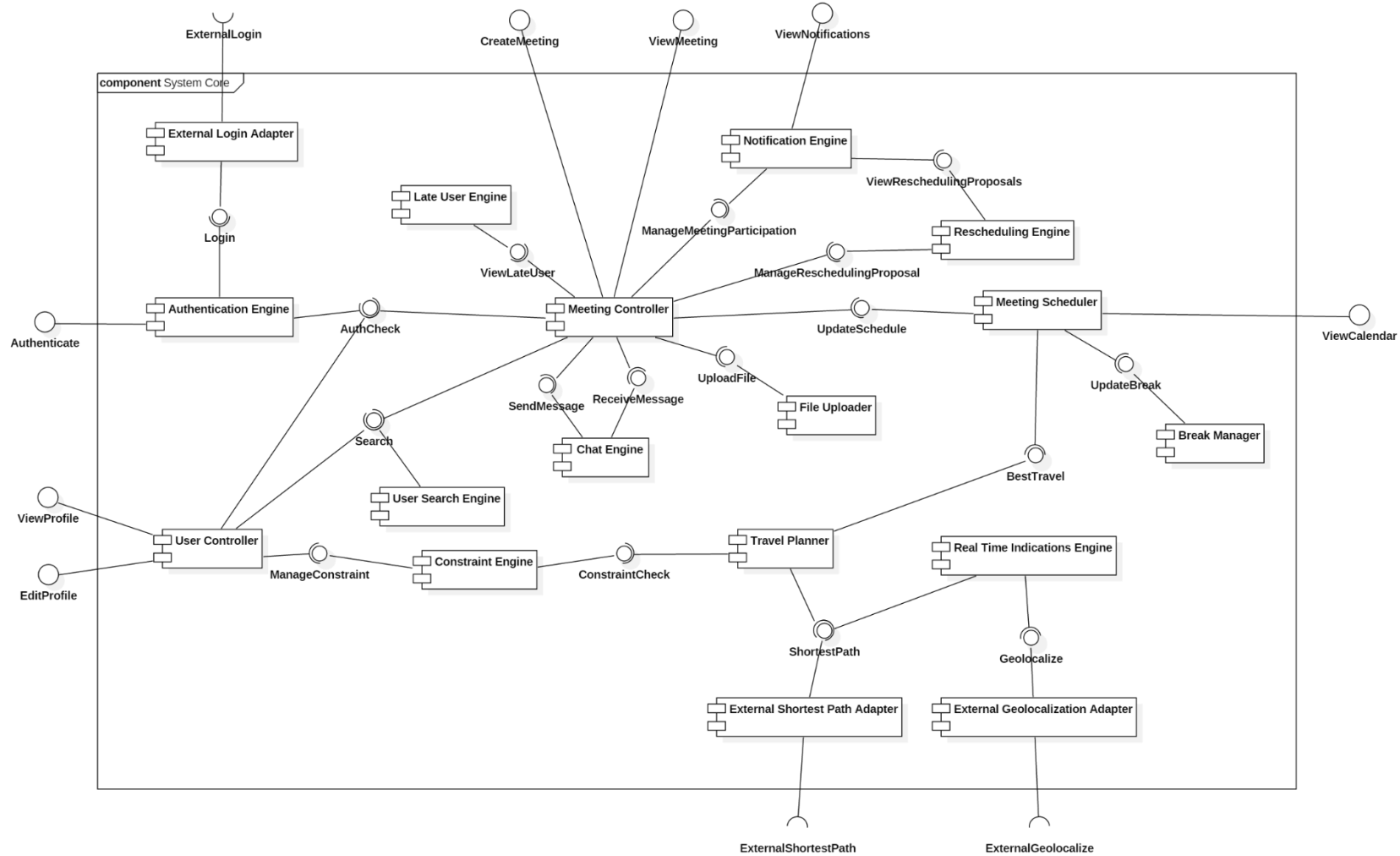
Architectural Style



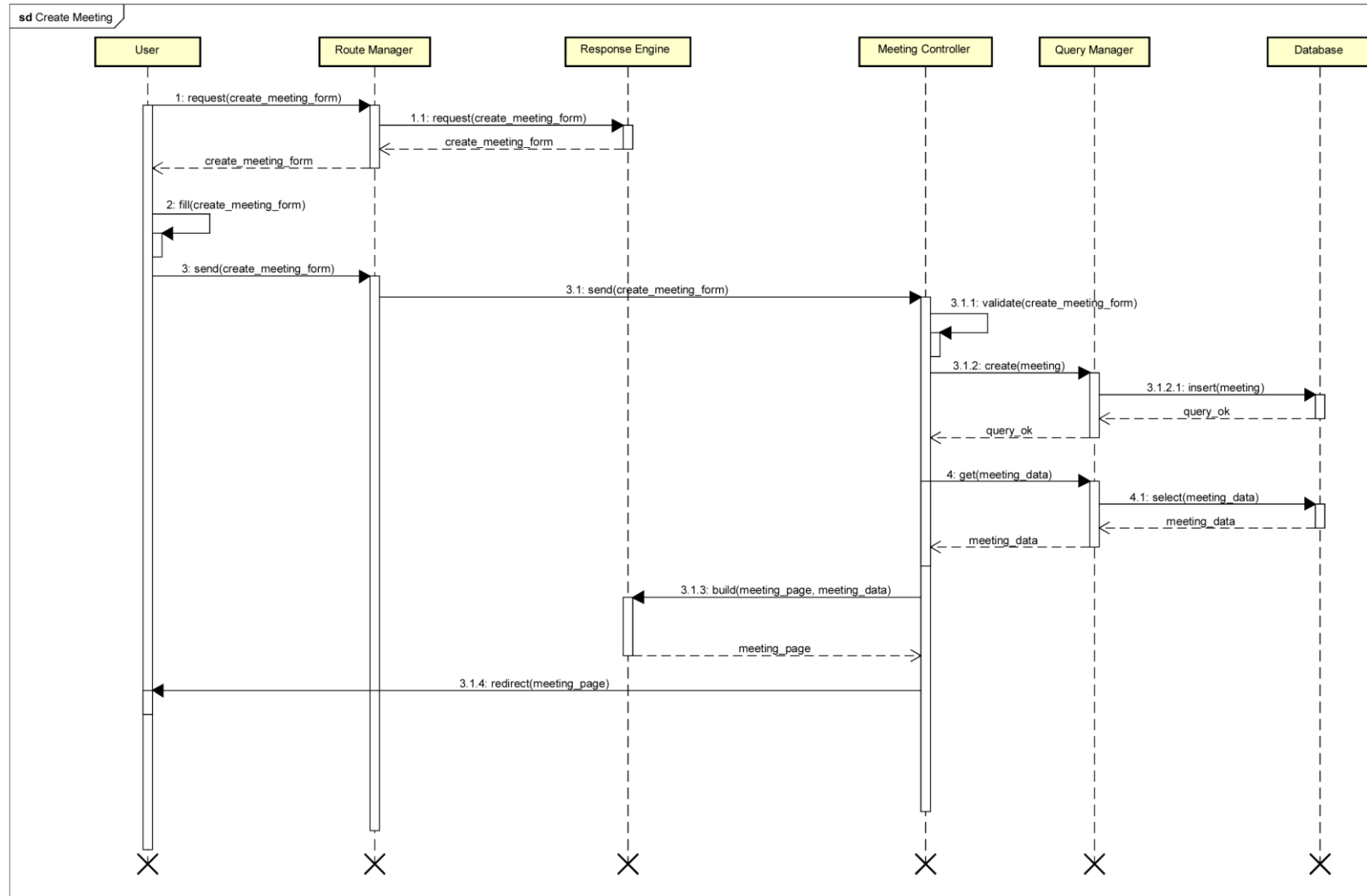
High Level Component Diagram



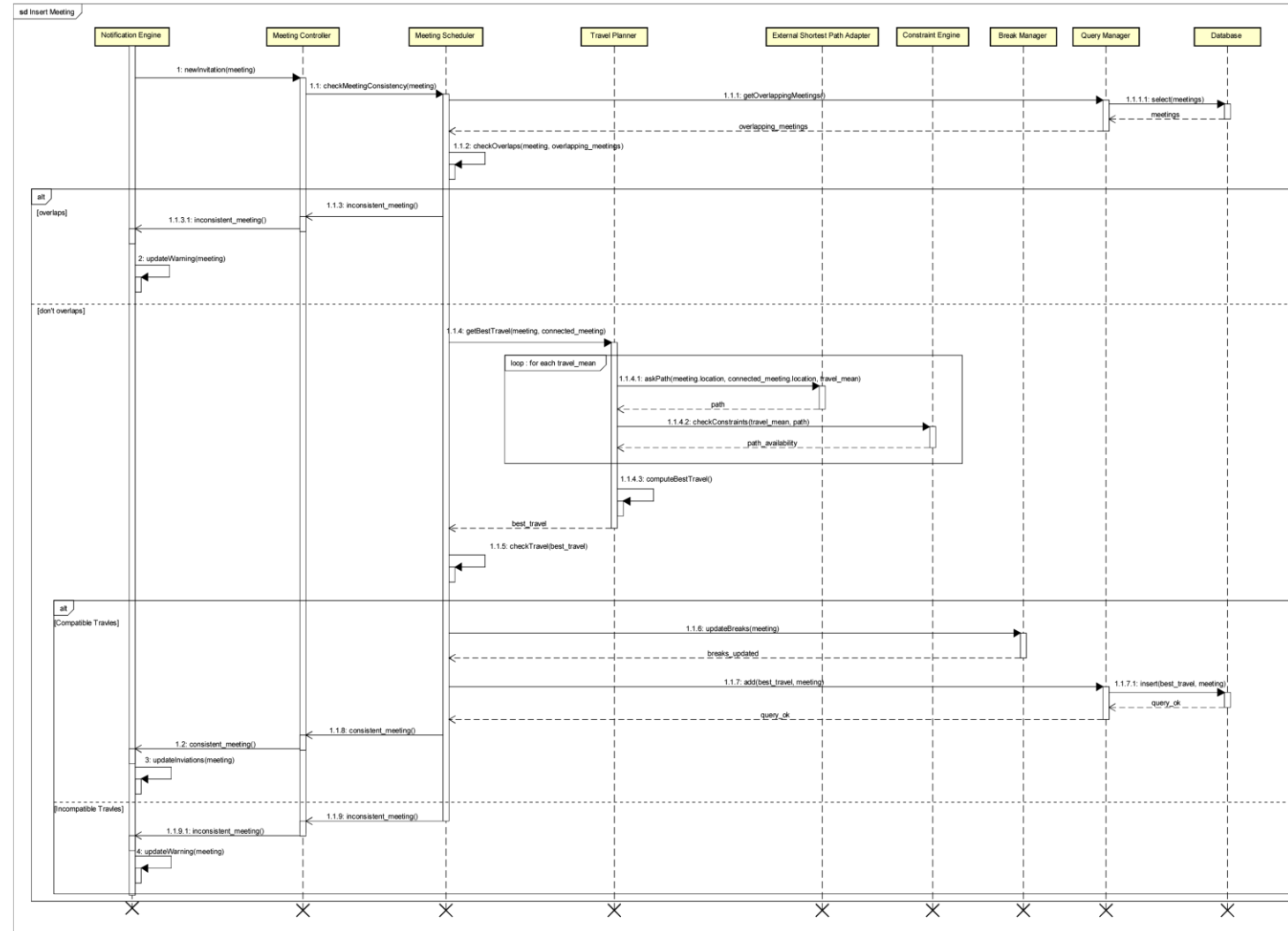
System Core Component Diagram



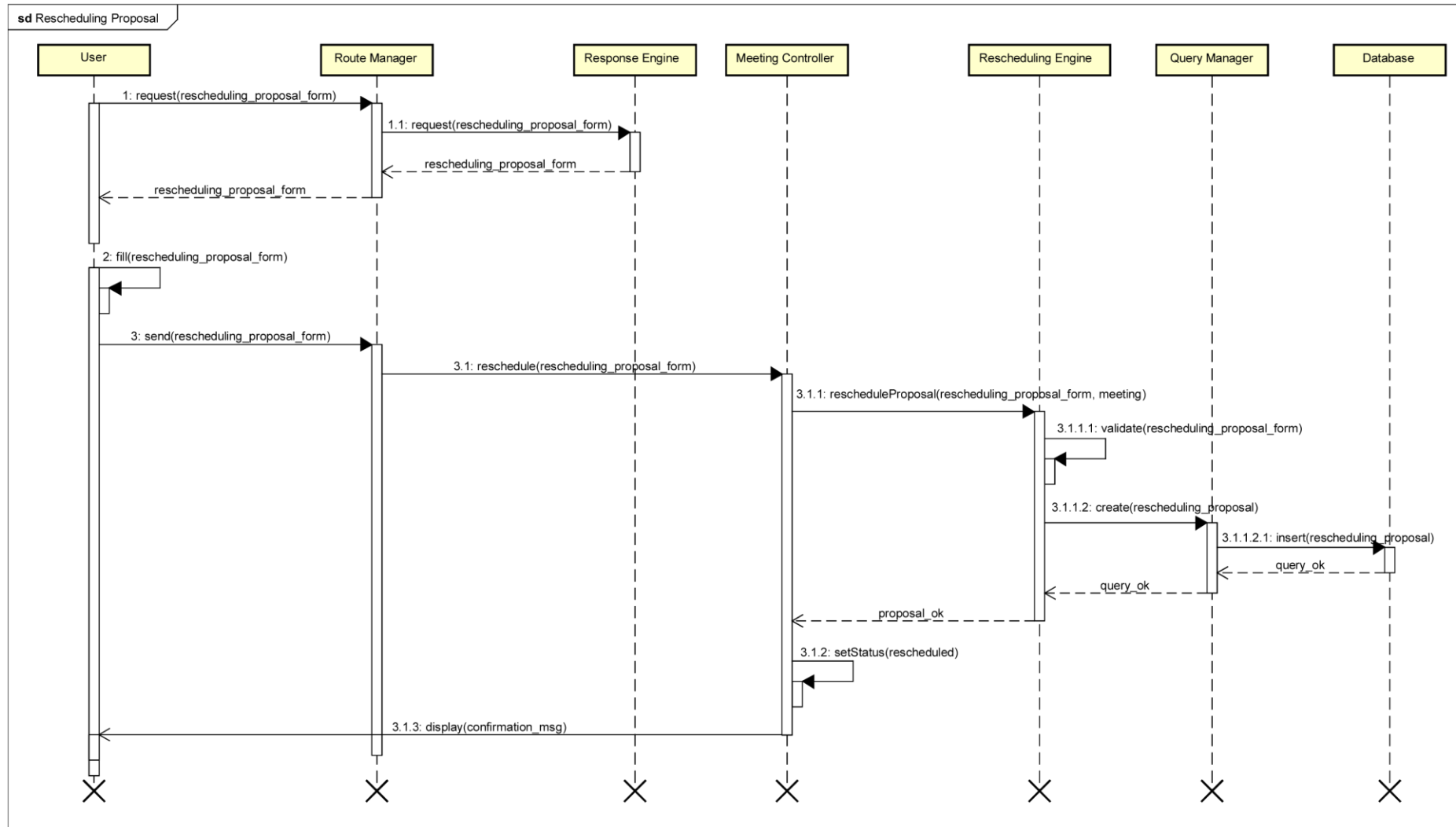
Create Meeting Runtime Diagram



Insert Meeting Runtime Diagram



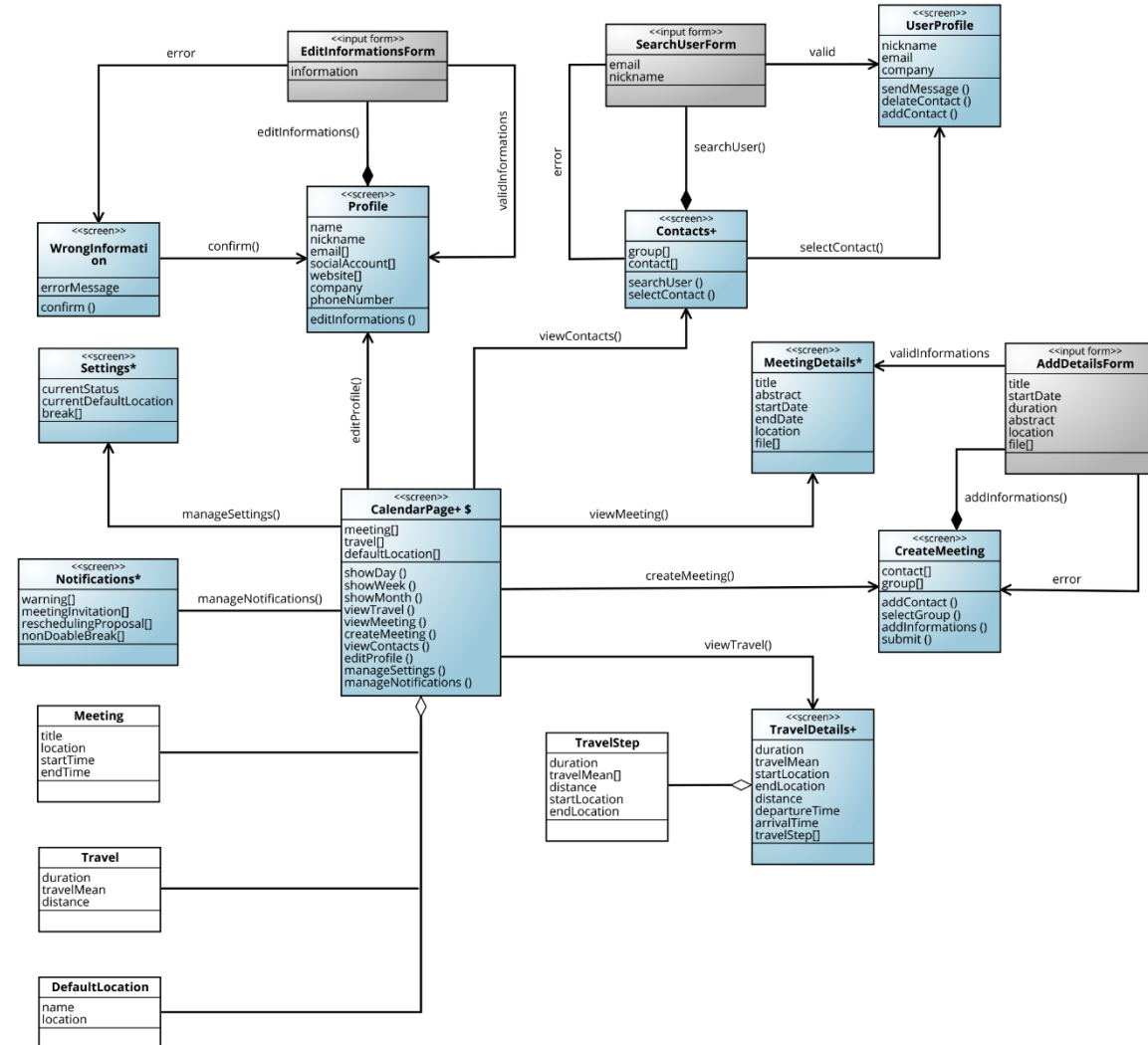
Rescheduling Proposal Runtime Diagram



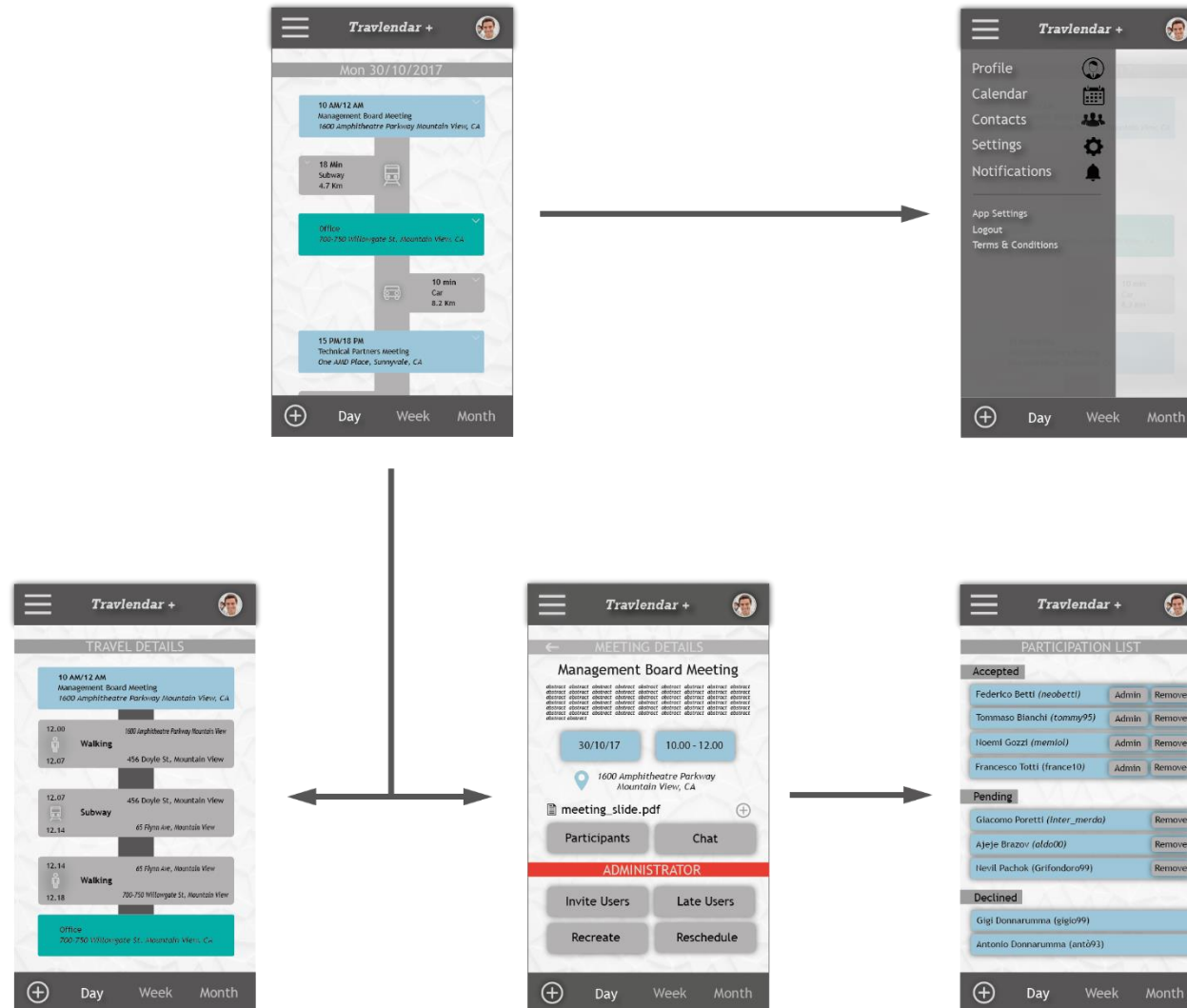
Design Patterns

- Model View Controller
- Publish – Subscribe
- Adapter

Calendar Page UX Diagram



Calendar Page Mockups

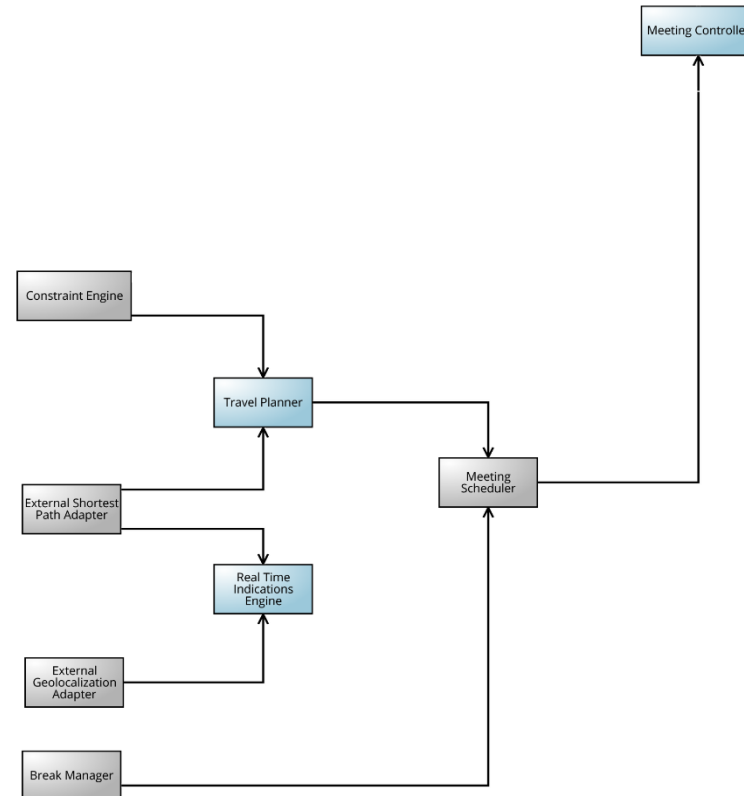


Algorithm Design

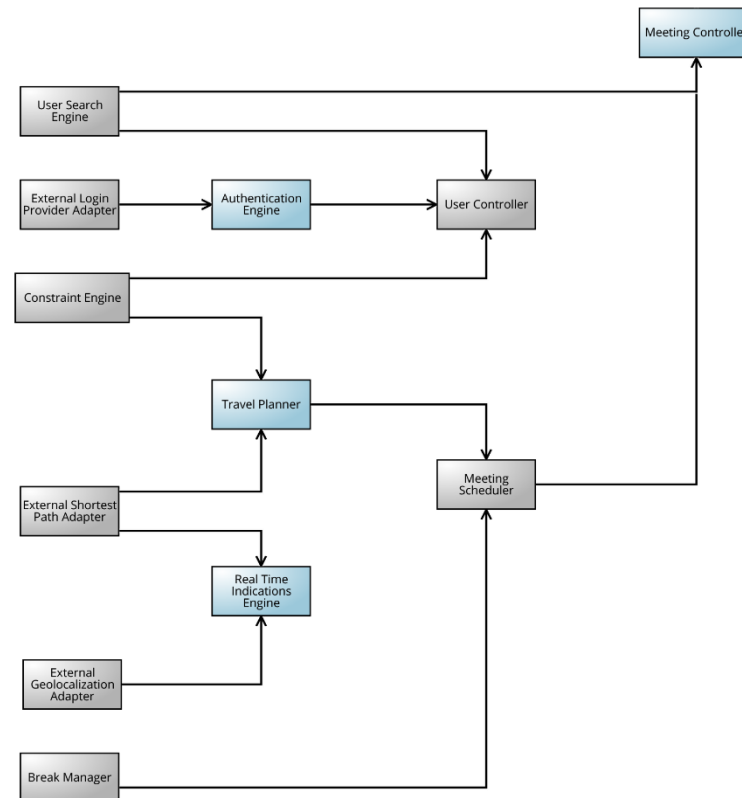
Insert_meeting function main steps:

1. Find all the meetings overlapping with the one that we are inserting and mark them as inconsistent; if at least a meeting is found, mark also the new one as inconsistent and terminate the function.
2. Try to compute a travel for arriving and for leaving the newly inserted meeting taking into account the previous meeting, the following one and the default locations; if this is not possible, terminate the function marking the new meeting and the conflicting one as inconsistent.
3. Adjust the effective time of all the flexible breaks overlapping with the new meeting; if this is not possible, mark the break as not doable.
4. Link the travels to the meeting and store everything, then terminate successfully.

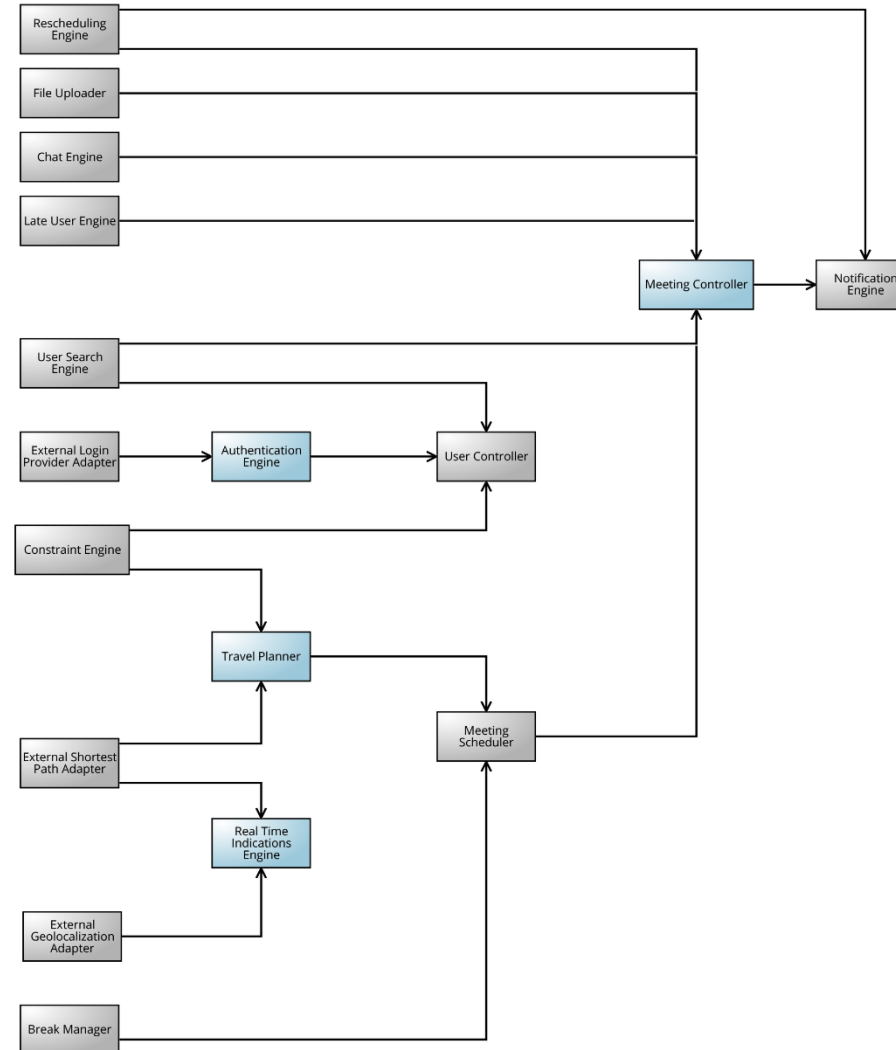
Implementation & Integration



Implementation & Integration



Implementation & Integration



Test Plan

- Continuous and Automated Testing
- Unit Tests
- Integration Tests