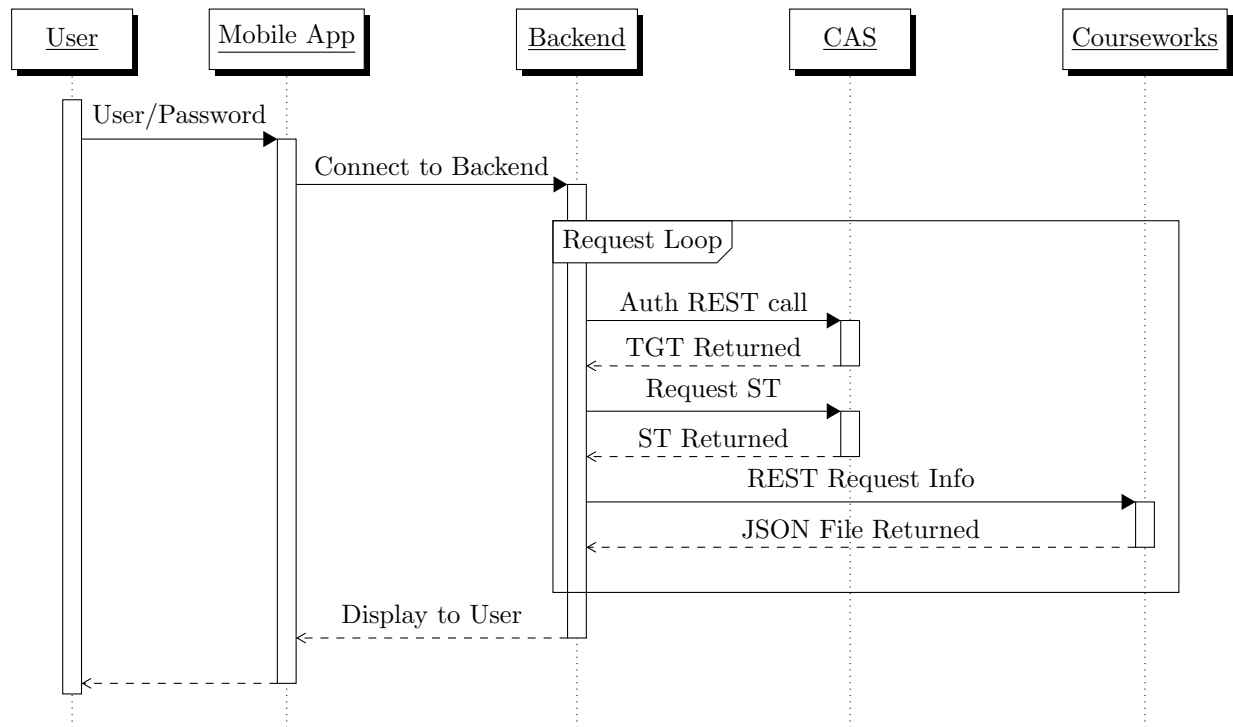


# Courseworks App Android Design

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June 26th, 2014

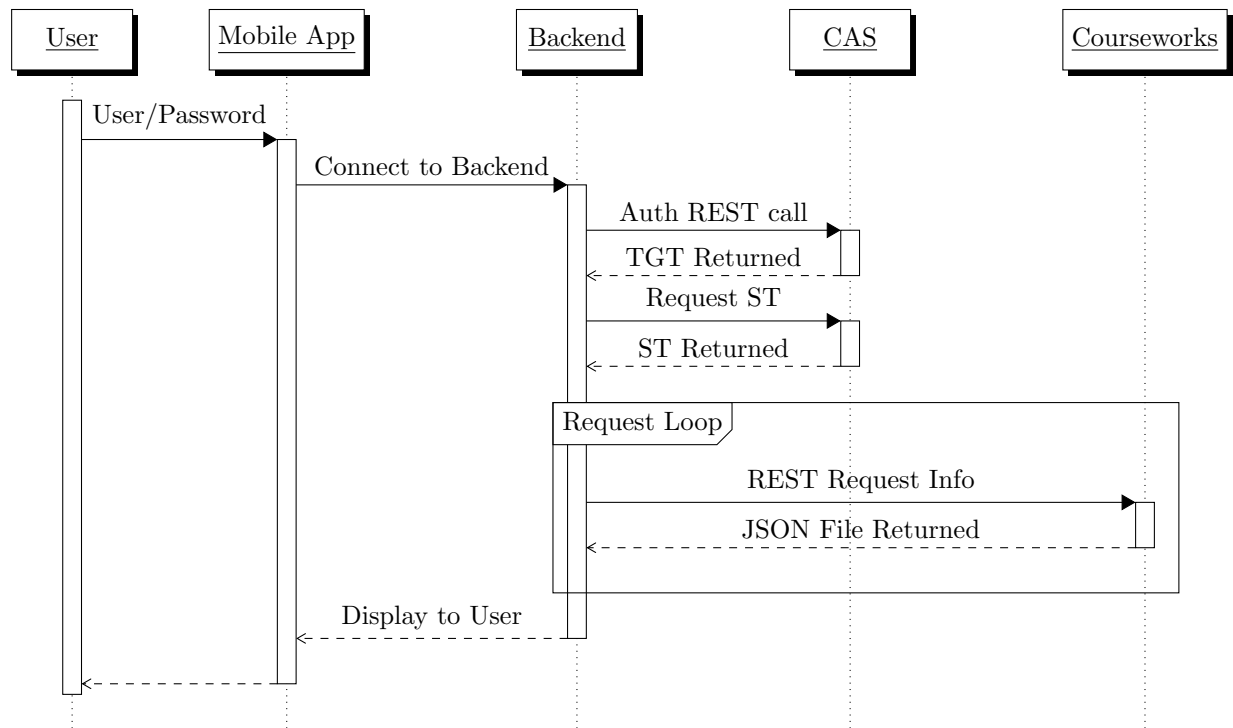
## Design 1



With Non-Privileged Backend:

- Relying on CAS's ability to return User information.
- Constant overhead from CAS servers in the Request Loop.
- Need to increase age of the TGT in order to run with the Courseworks server.

## Design 2



With Privileged Backend:

- Backend maintains user identity, not the CAS servers.
- Reduced overhead, only need to make two calls to CAS initially.
- Backend controls length of time that the user is logged in.
- No need to increase the age of the Ticket Granting Tickets from the CAS Server.
- More visibility on who is accessing the application and the Courseworks servers.

**TO DO:** Figure out how to implement the privileged functionality for the Backend.

- Possibly cache the first ST call and retain the user identity.