Interoperability Checklist

# Allocation of Responsibilities

Our system needs to interoperate with Rapla.

Frequent Ping to ensure availability of the connection, Accept/Reject and Close connections, Log requests for later (e.g. Bugfixing, Updates etc.)

# Coordination Model

Keep traffic small and request/load needed data first. Load the rest of the data later for faster process.

# Data Model

Convert given Data into fitting type for the calendar. Save the converted data.

# Mapping among Architectural Elements

Important components to process are the rapla API, our database and the calendar entry. Make sure to get the data from the API into the Calendar while saving it in a parallel thread into local database.

# Resource Management

Save rapla entries in a own table. If the table does not work make sure to have a carbon copy of older volumes. And shut down/restart table. No need to restart whole database and main entries will still be visible.

# Binding Time

Connect frequently to update local rapla table entries. No need to keep connection for the whole time (might slow down the app).

# Choice of Technology

Rapla api and a local database for testing. Later typical SQL Database.