

## PROJECT PROPOSAL DRAFT

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### Objectives

- Usage of HTTP protocol for data transmission
- Concurrent processing of HTTP requests
- Implementation of a data warehouse

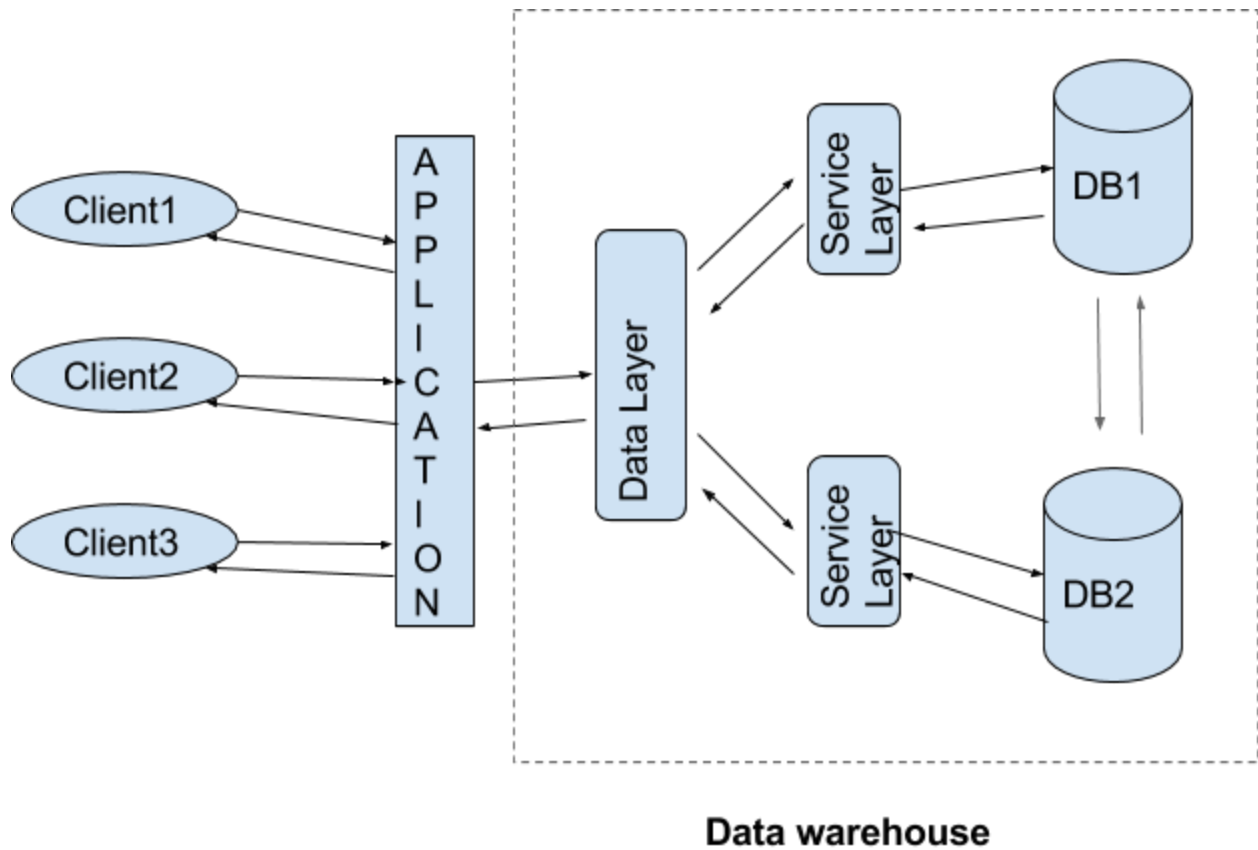
### Project Description:

This system will enable students to reserve books in a library.

### Project Scope:

1. Create a data warehouse
2. Implement a REST API for CRUD operations with data from data warehouse
3. Search by path parameters
4. Replicarea datelor
  - a. Crearea si configurarea a nodurilor existente pentru sync
  - b. Implementarea mecanismului de sync ce ne permite reflectarea automata a schimbarilor de pe un node pe altele.

### Project Architecture:



### Architecture Description:

#### Database Entities

User - *The client that uses the application in order to manage reservations.*

Reservation - *The state of the book availability*

Book - *The subject of reservation.*