

Schedules 2

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Core features

- Users – Student, Teacher, Manager, Scheduling committee
- 1. Create subjects (Teacher)
- 2. Approve Subject (Manager)
- 3. Define time and space requirements (Teacher)
- 4. Display graphical interface for scheduling subjects and save changes (Scheduling committee)
- 5. View schedules (Student)

Create subjects (Teacher)

As a teacher, I need to create a subject and define information about it (name, syllabus, description...), so managers can decide whether the subject is sufficiently useful.

Responsibilities

- Authentication and authorization
- Content validation and management
- Notifications and workflow
- User interaction

Approve Subject (Manager)

As a manager, I need to approve a subject proposed by a teacher, so the teacher can define time options and the Scheduling committee can schedule the subject.

Responsibility Breakdown:

- Authentication and authorization
- Approval processing
- Notifications and workflow
- Storage and audit

Define time and space requirements (Teacher)

- As a teacher, I need to define the time and space requirements of a subject, so that the scheduling committee can schedule it.

Responsibility Breakdown:

- Authentication and authorization
- Inputs and validation
- Availability and collisions
- Storage and audit

Display graphical interface for scheduling subjects and save changes (Scheduling committee)

As a Scheduling committee, I need to view a graphical interface for scheduling subjects, so I can schedule a subject and users can view schedules.

Responsibility Breakdown:

- Authentication and authorization
- Data retrieval and selection
- Interactive planning
- Storage and audit

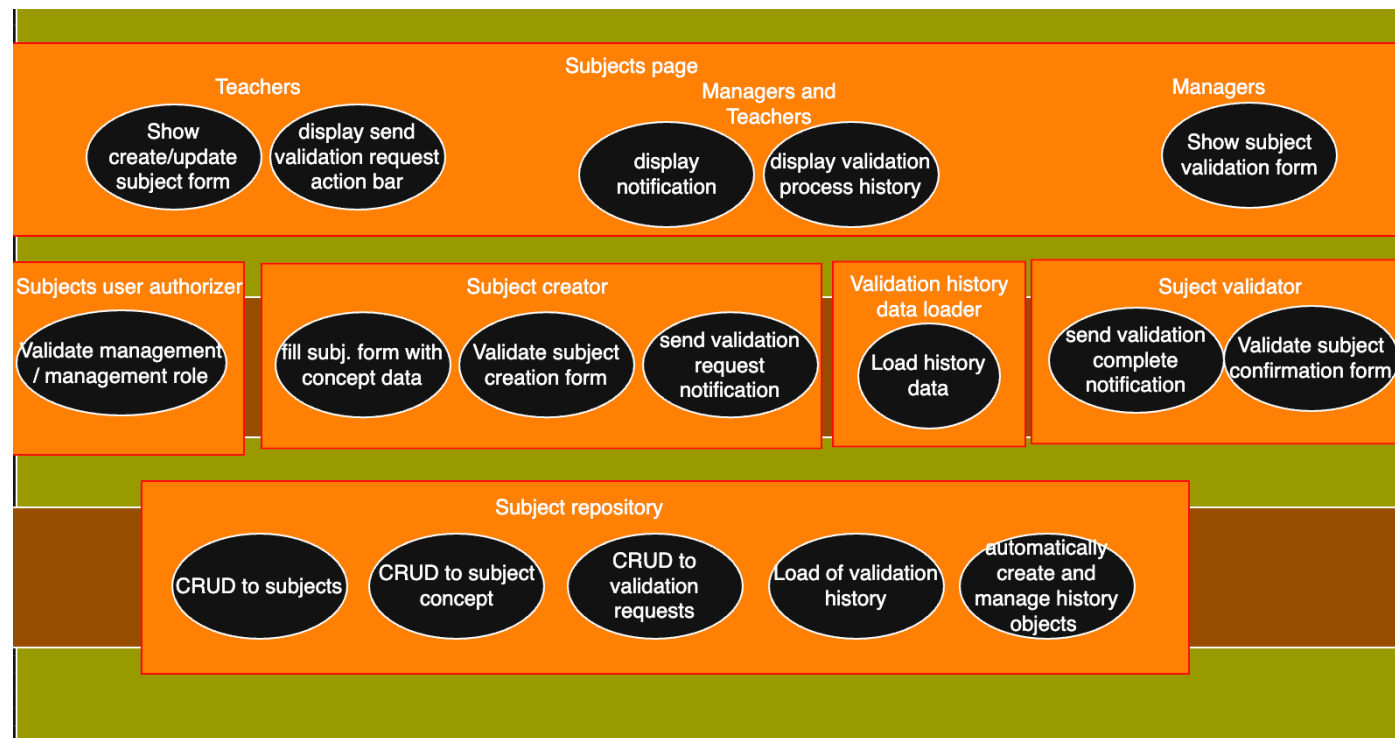
View schedules (Student)

As a student, I need to clearly display a weekly schedule so I can plan my days.

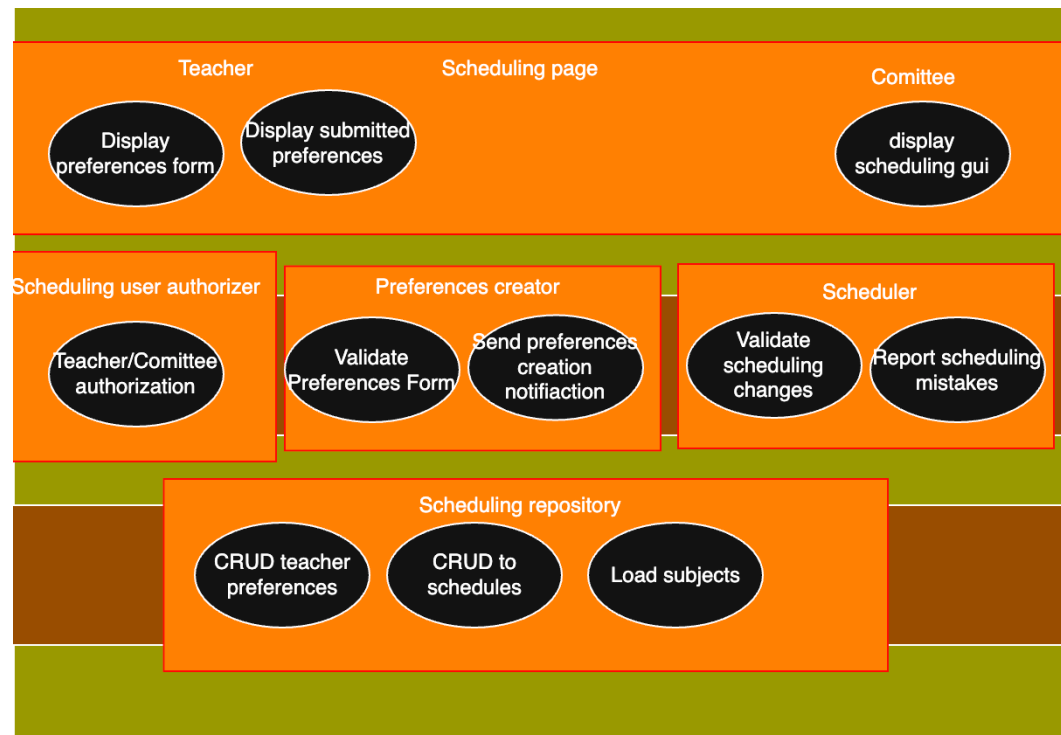
Responsibility Breakdown:

- Authentication and authorization
- Data retrieval and selection
- Presentation
- Error and exception handling
- User interaction and export

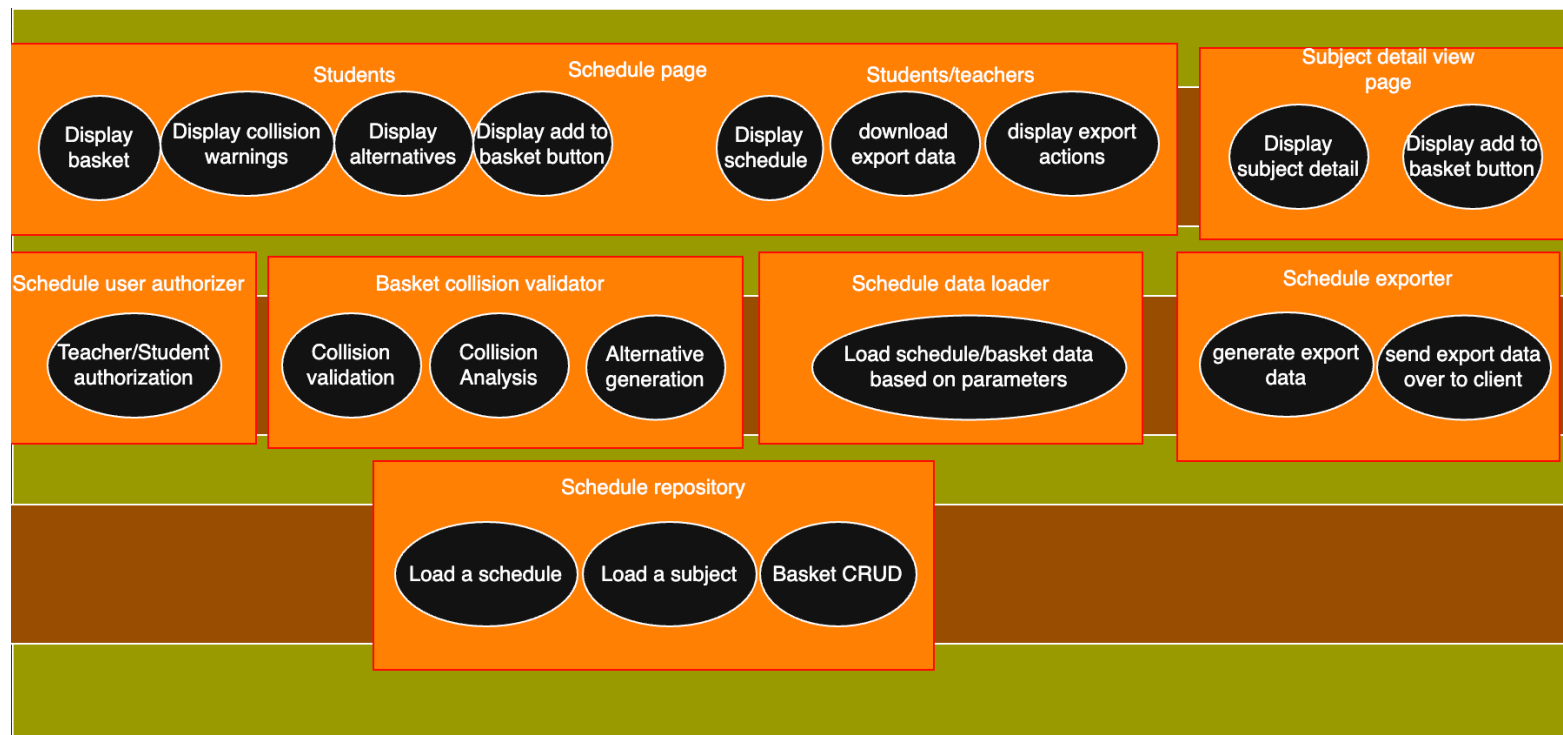
Creating and Validating Subjects



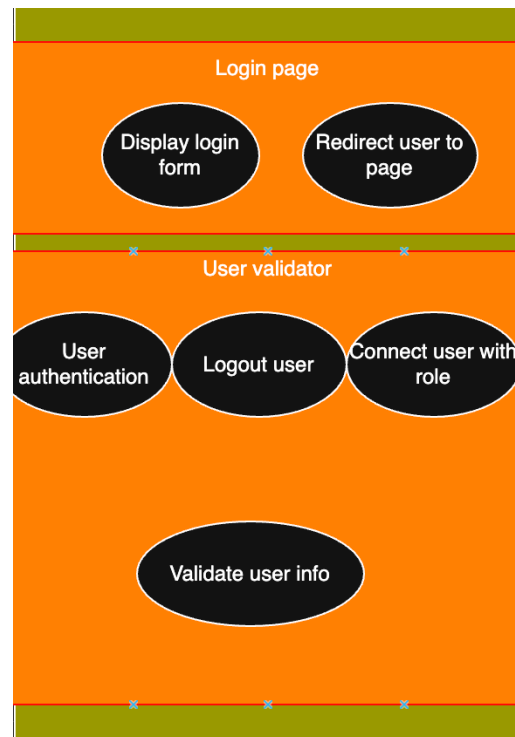
Scheduling classes



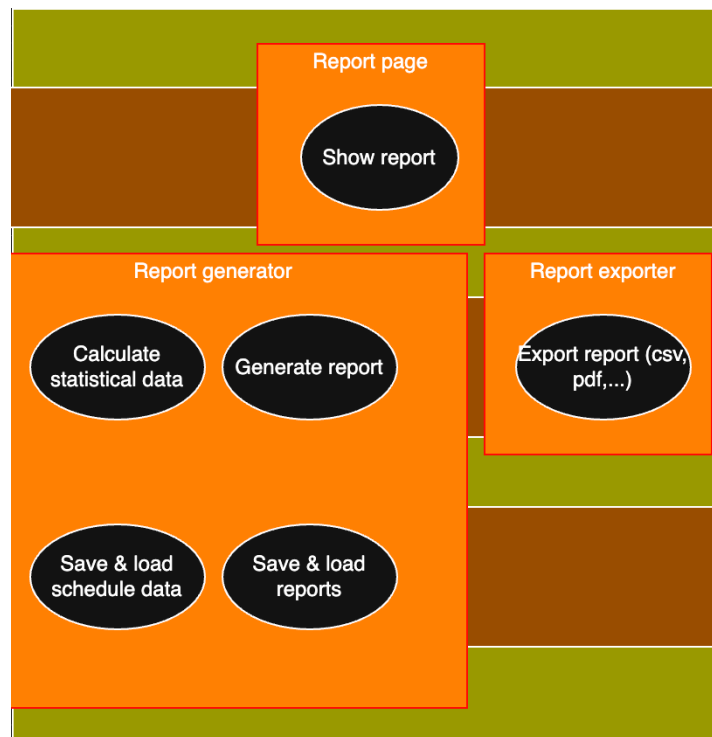
Access to Schedules

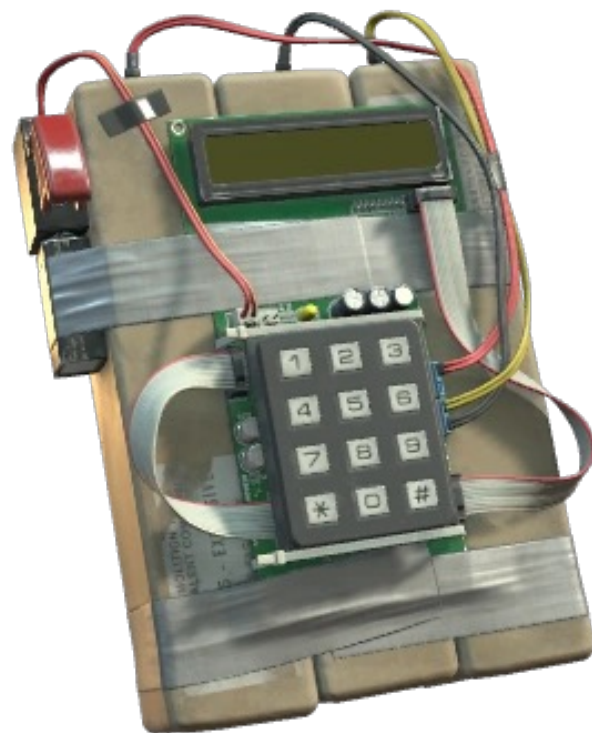


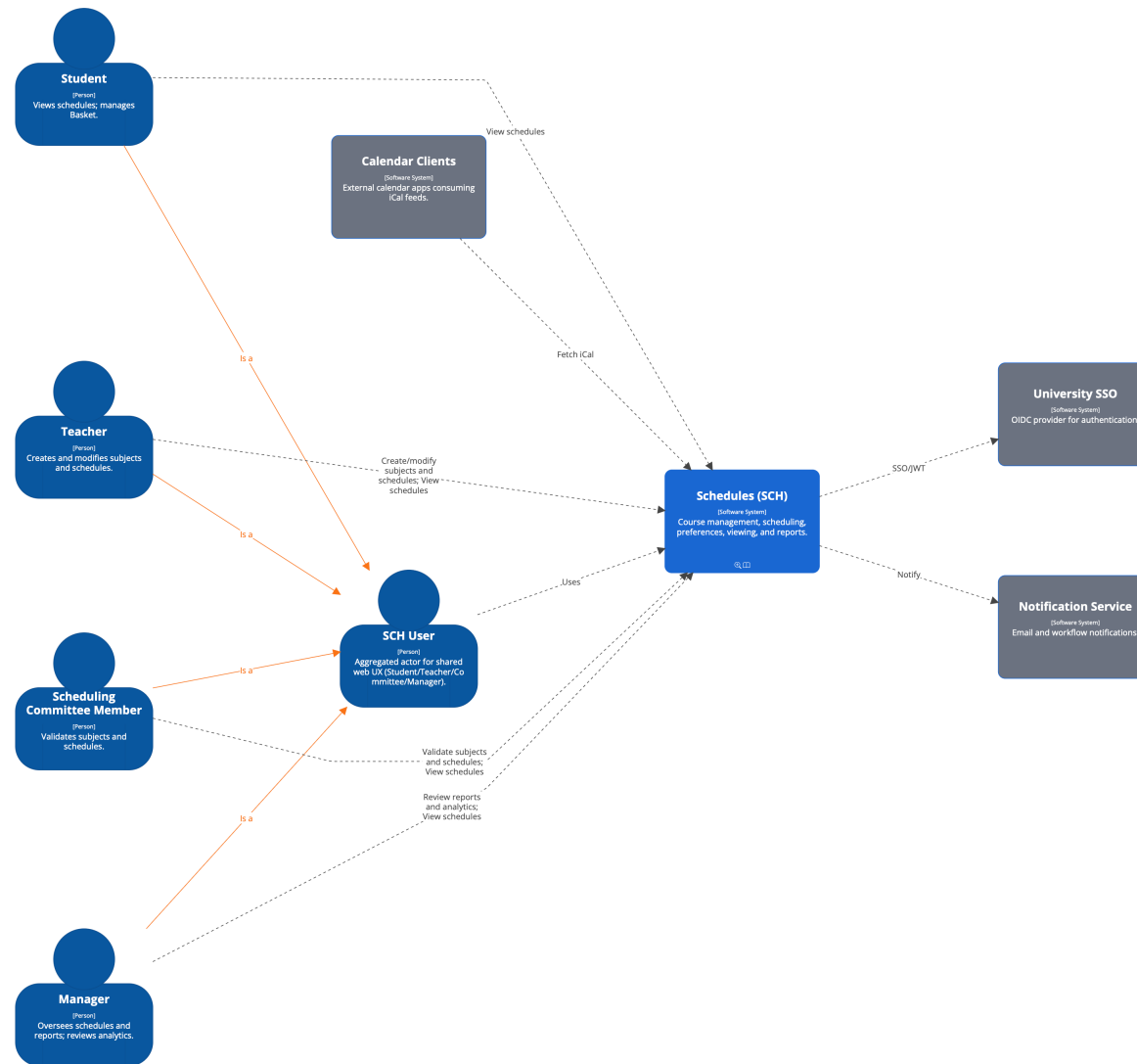
User Validation



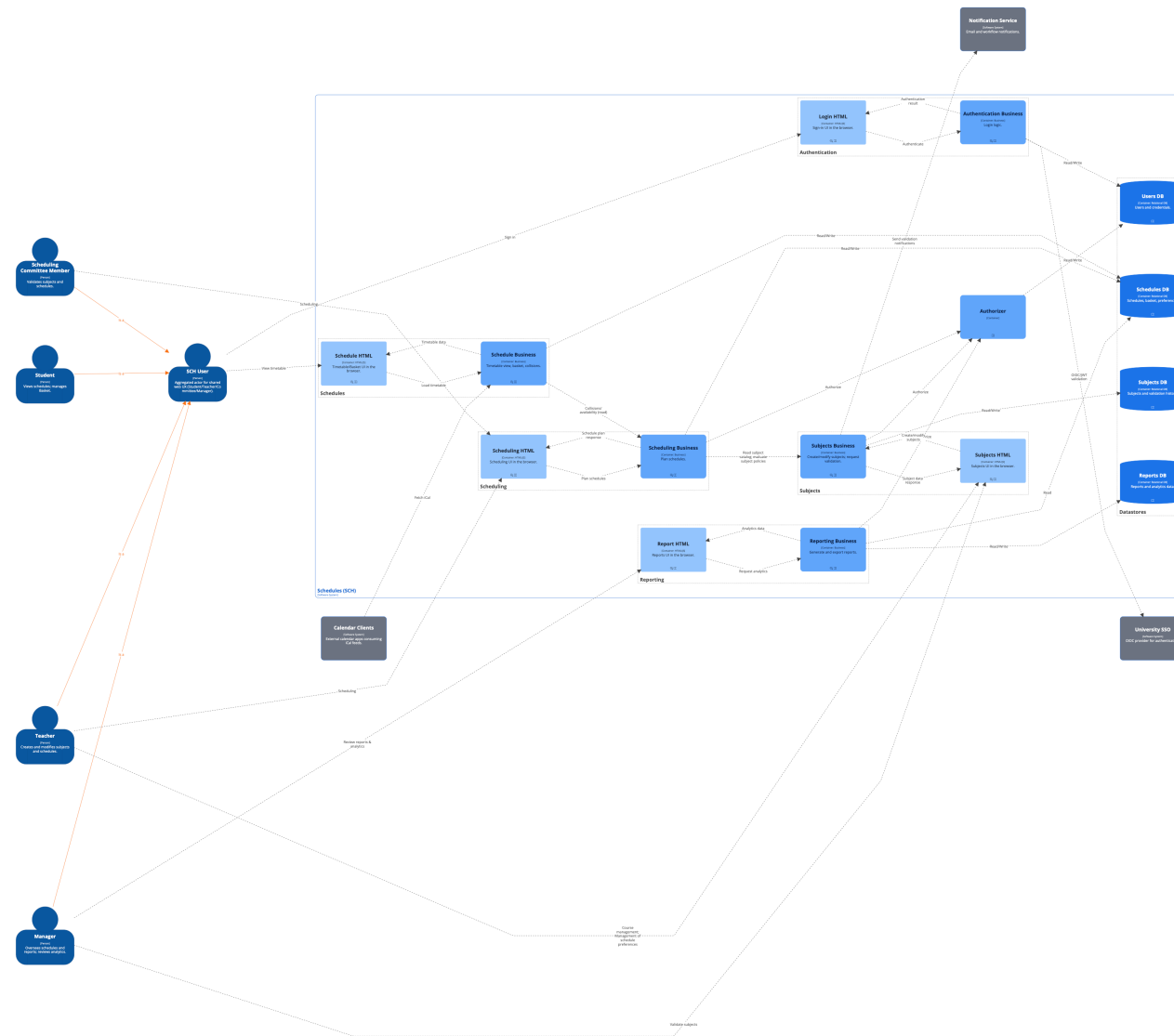
Statistical reporting

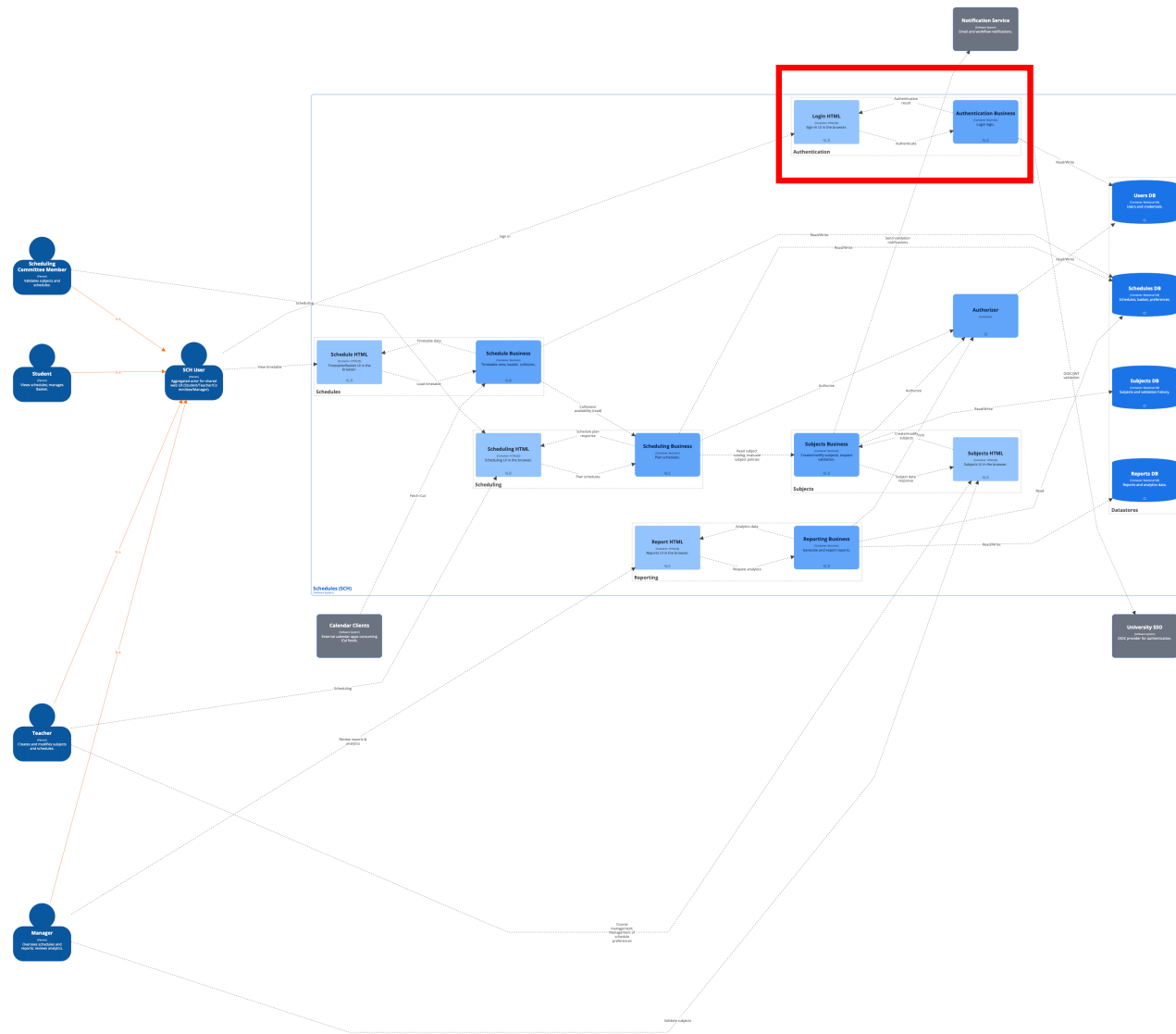


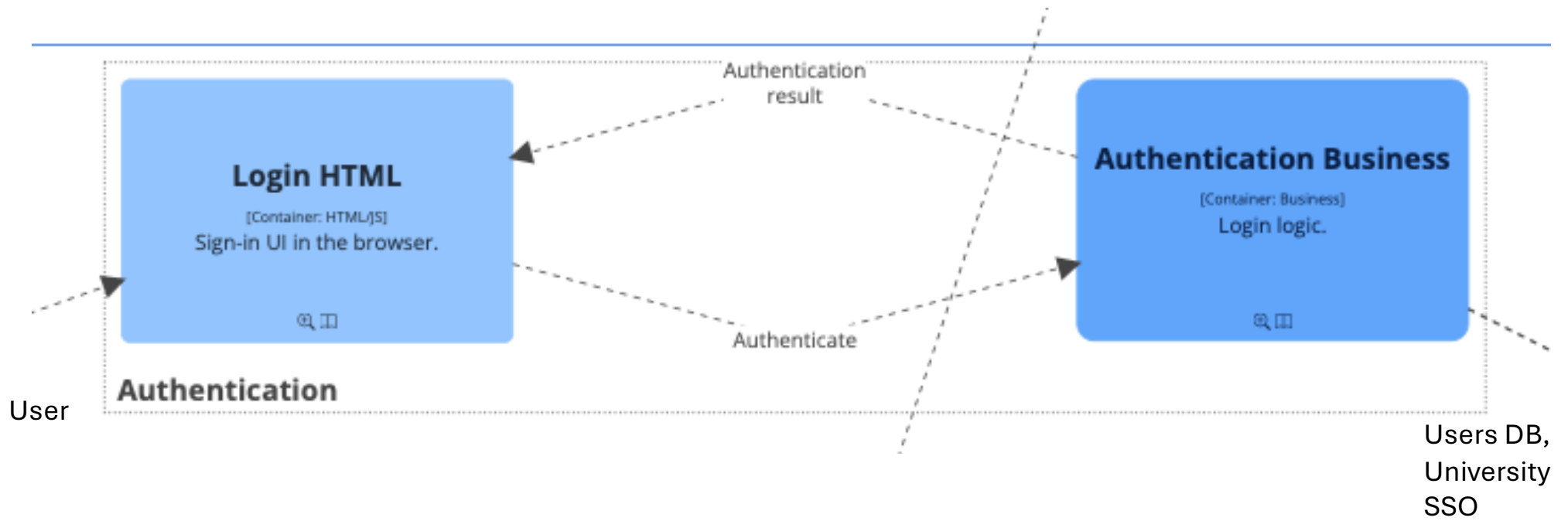


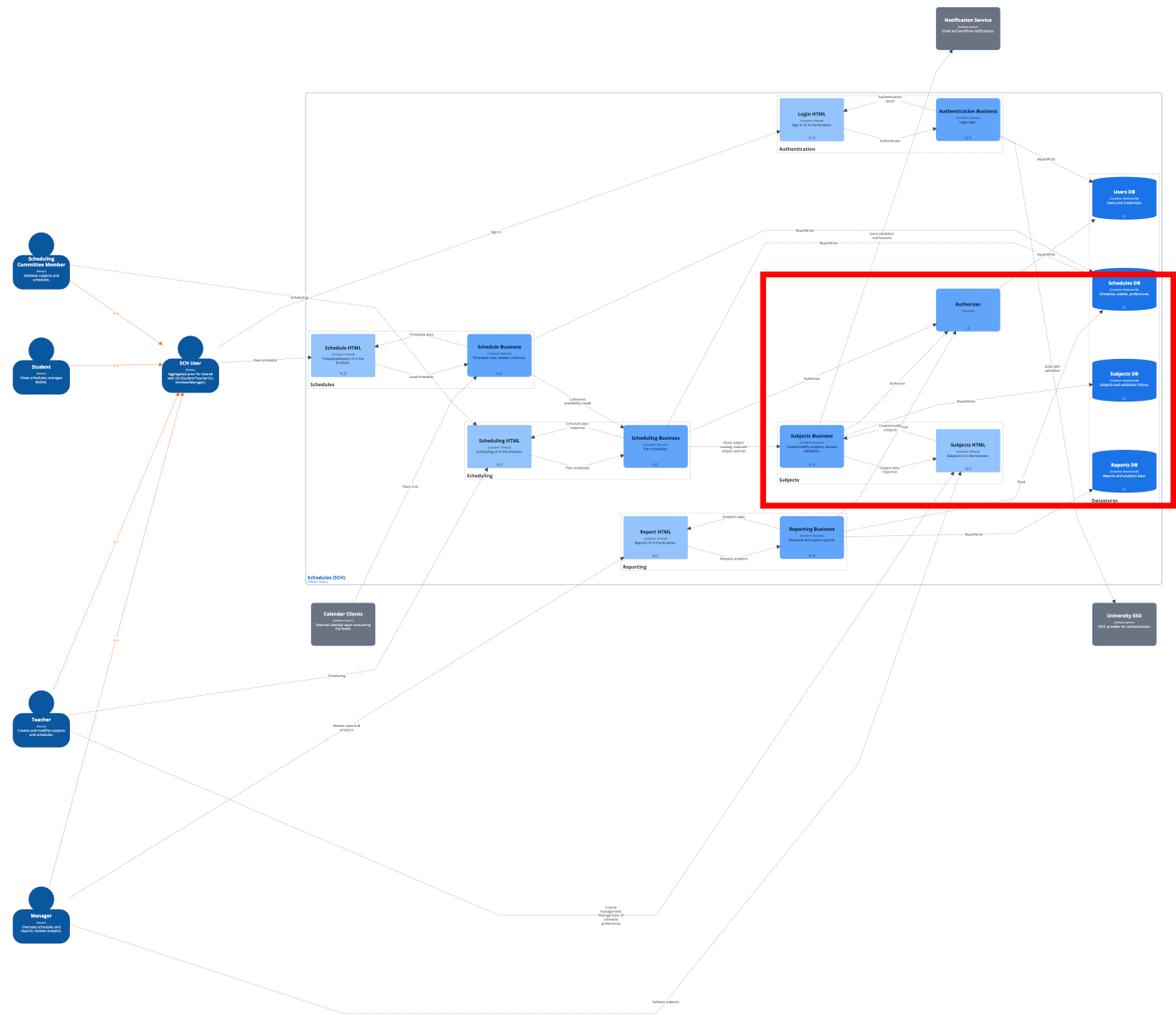


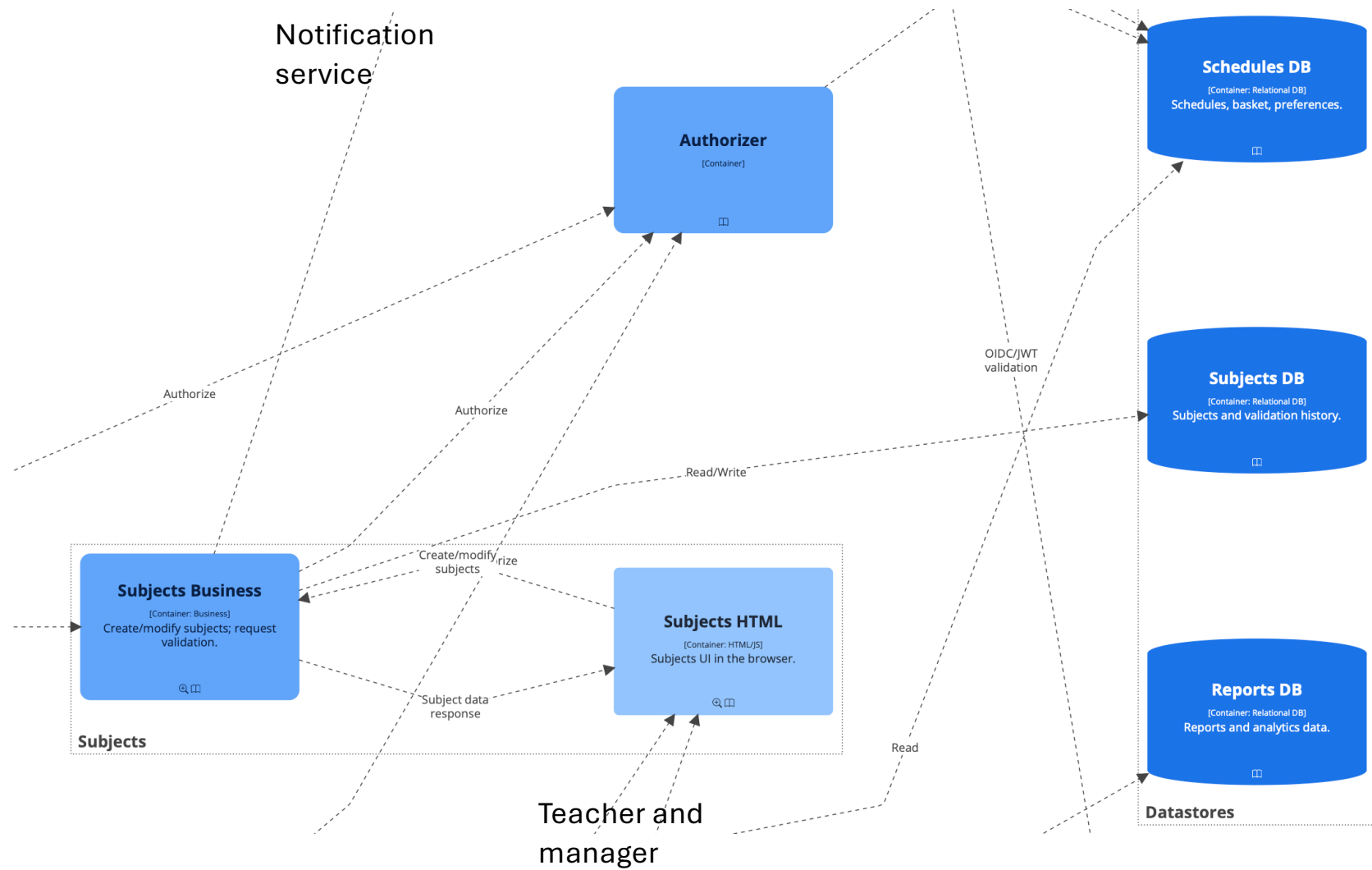
Turčan, Faustus

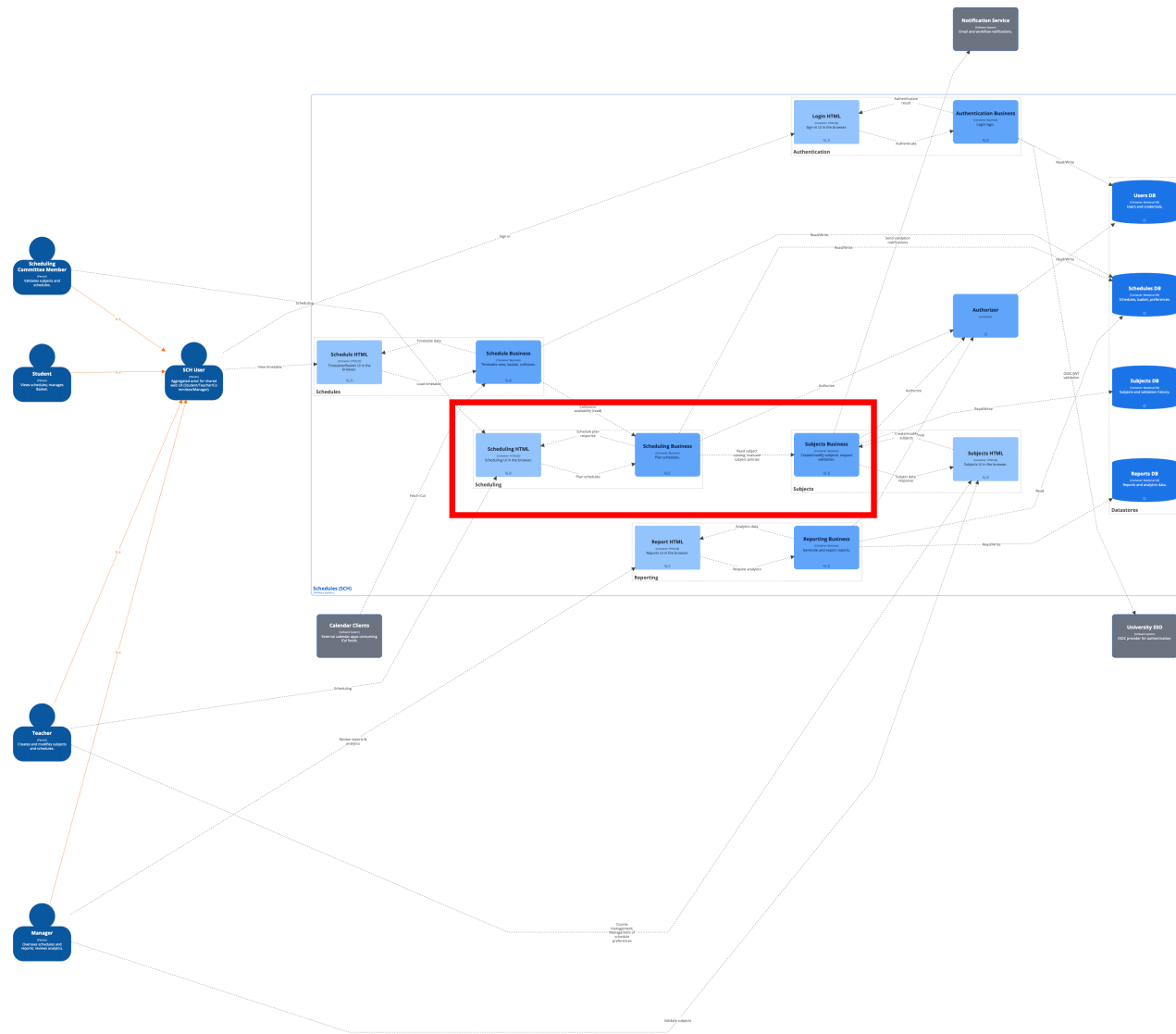


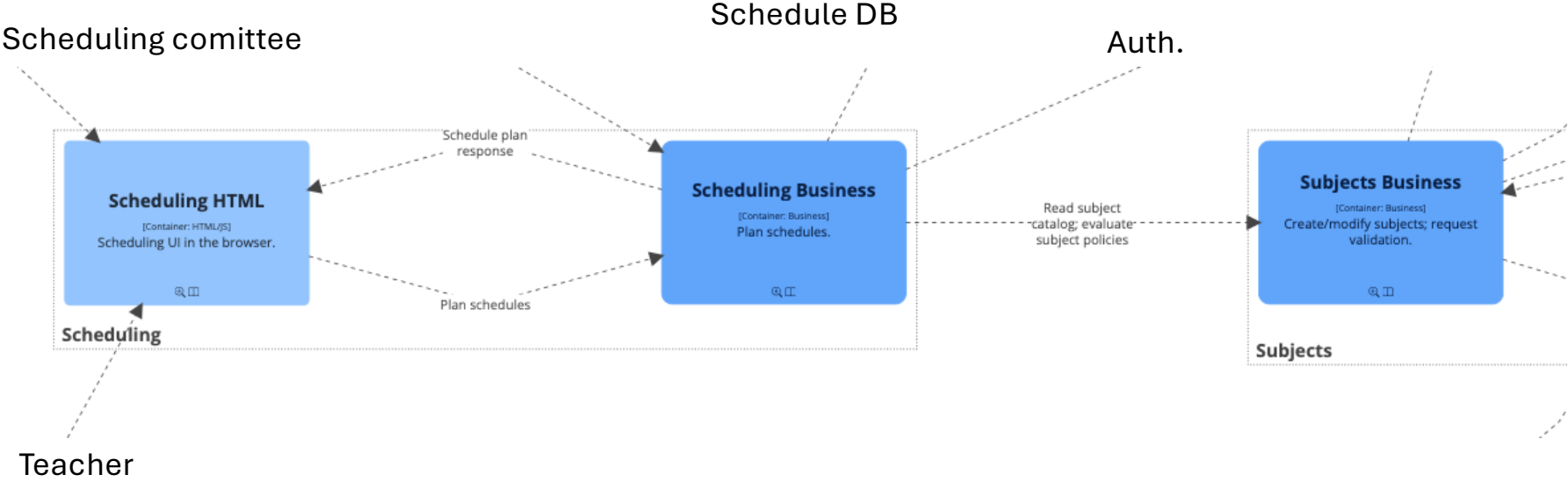


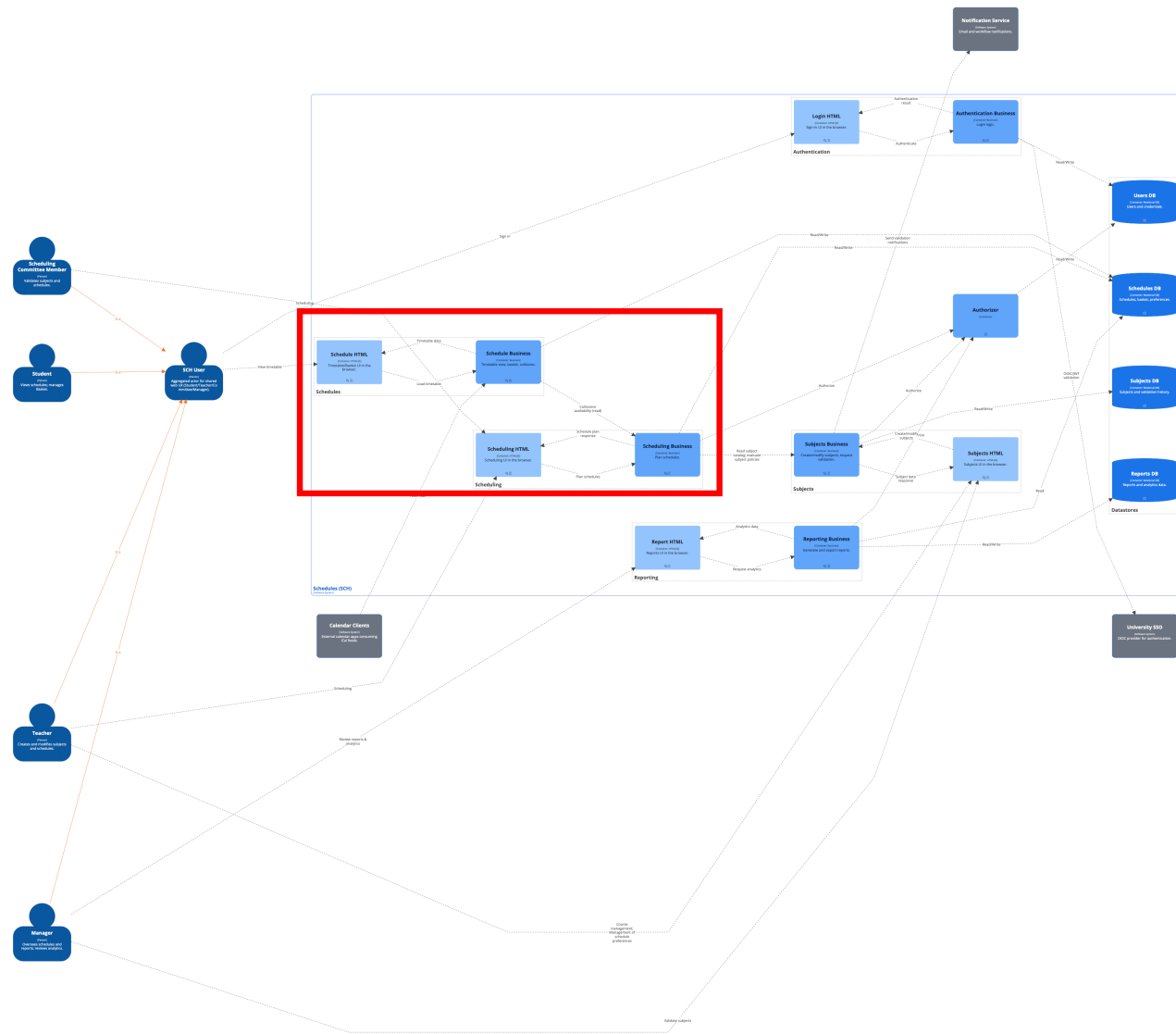


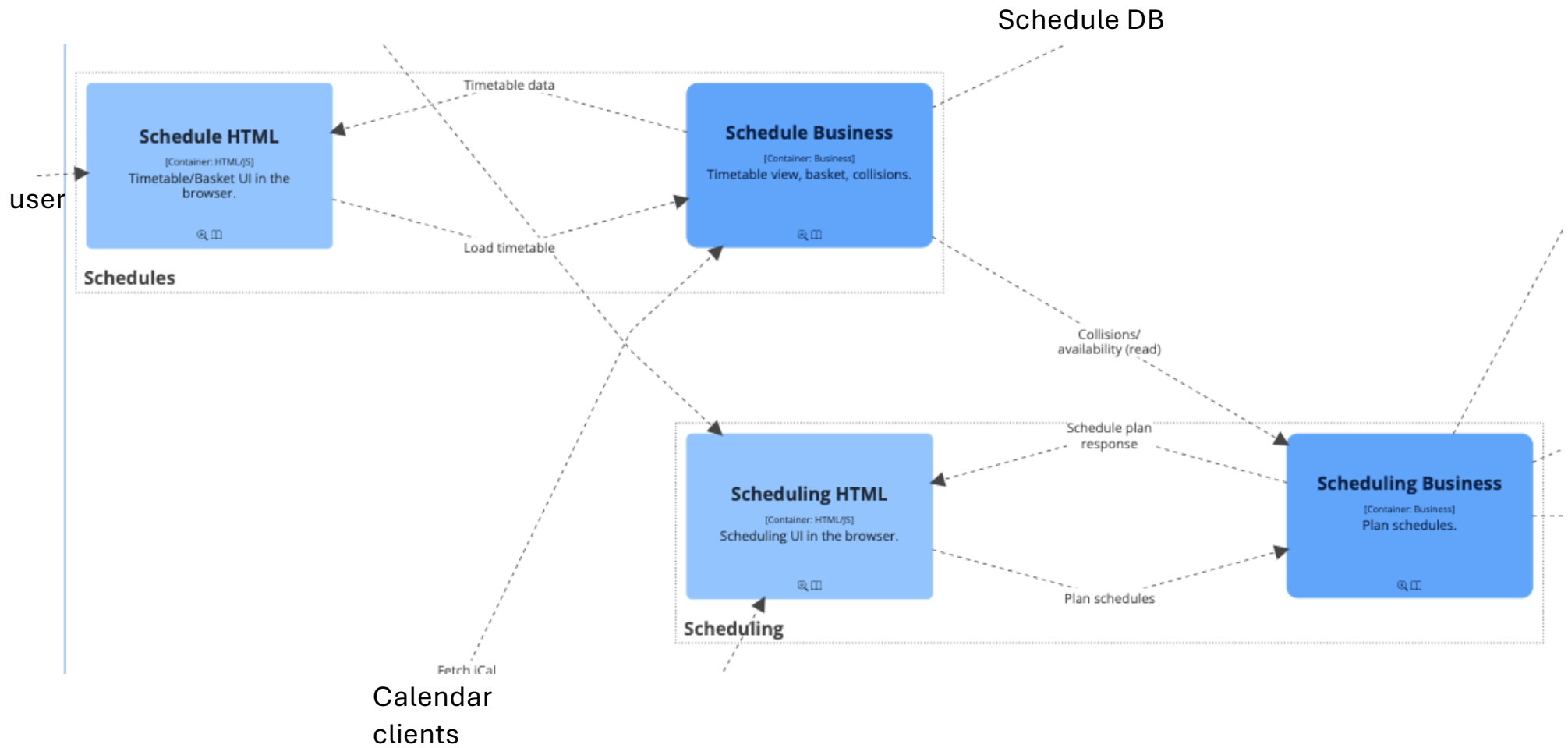


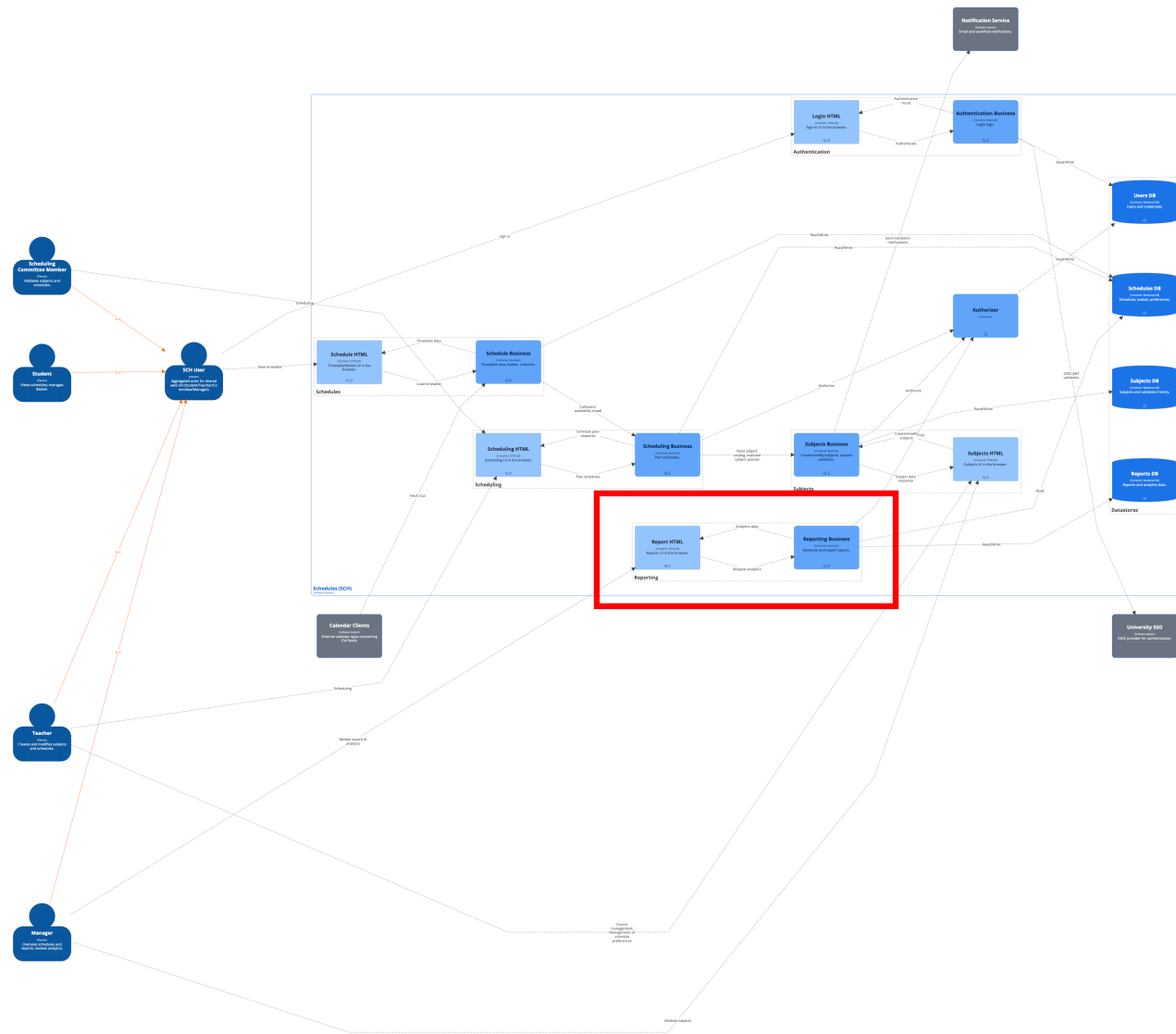


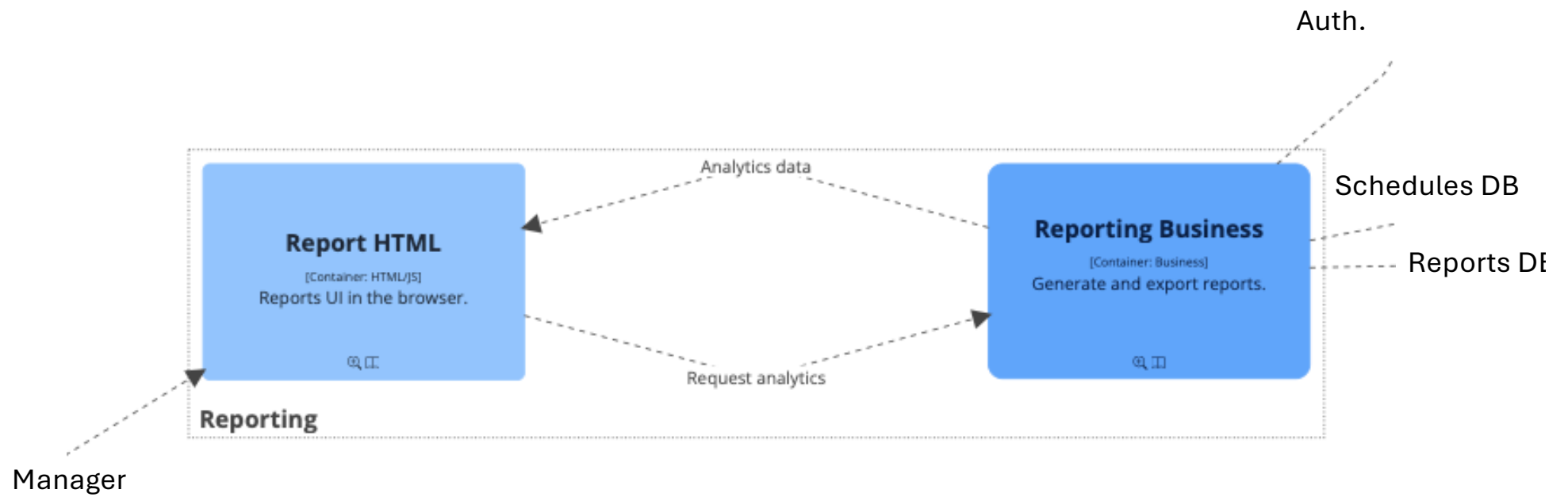










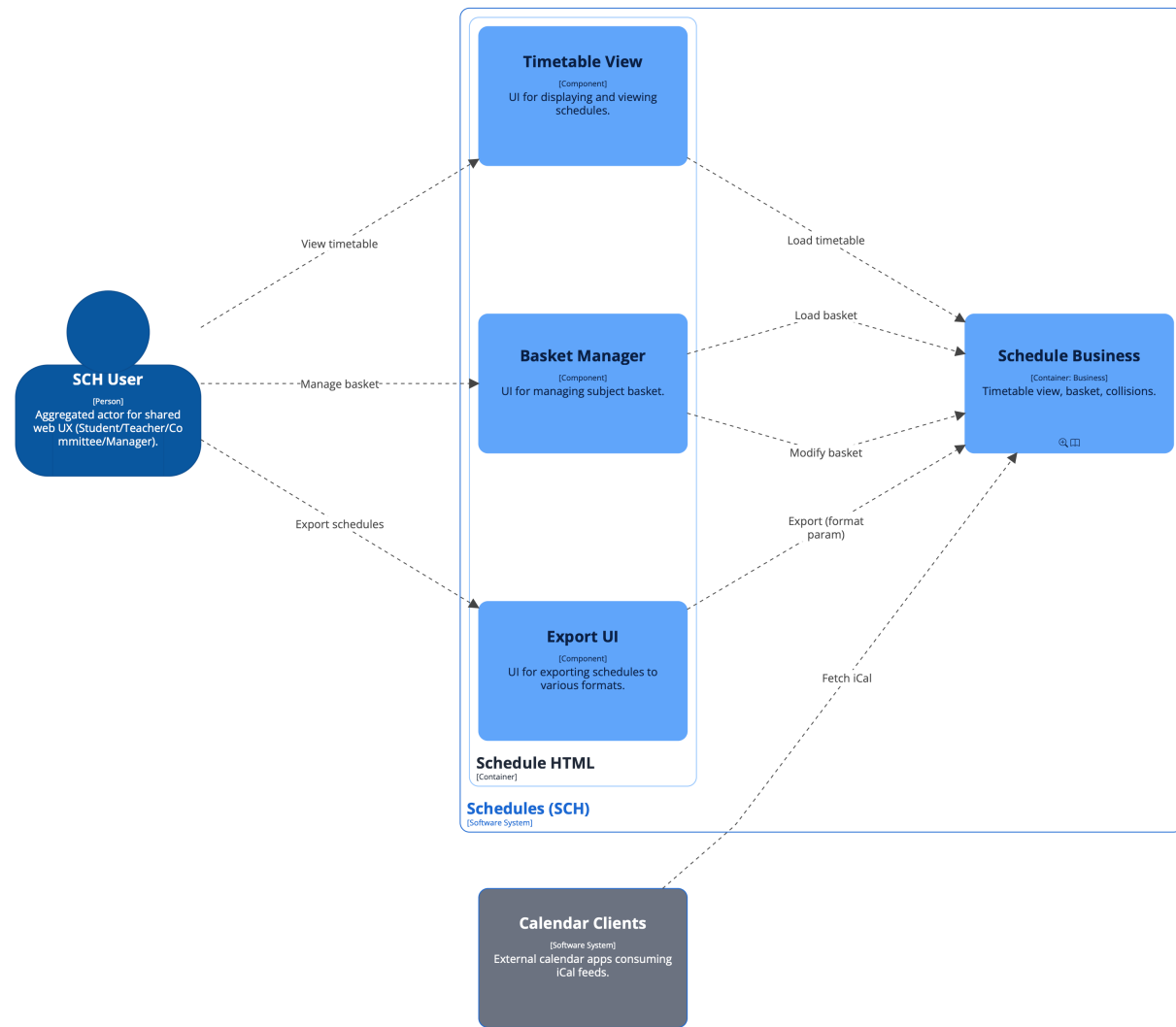


Schedule HTML

[Container: HTML/JS]

Timetable/Basket UI in the
browser.



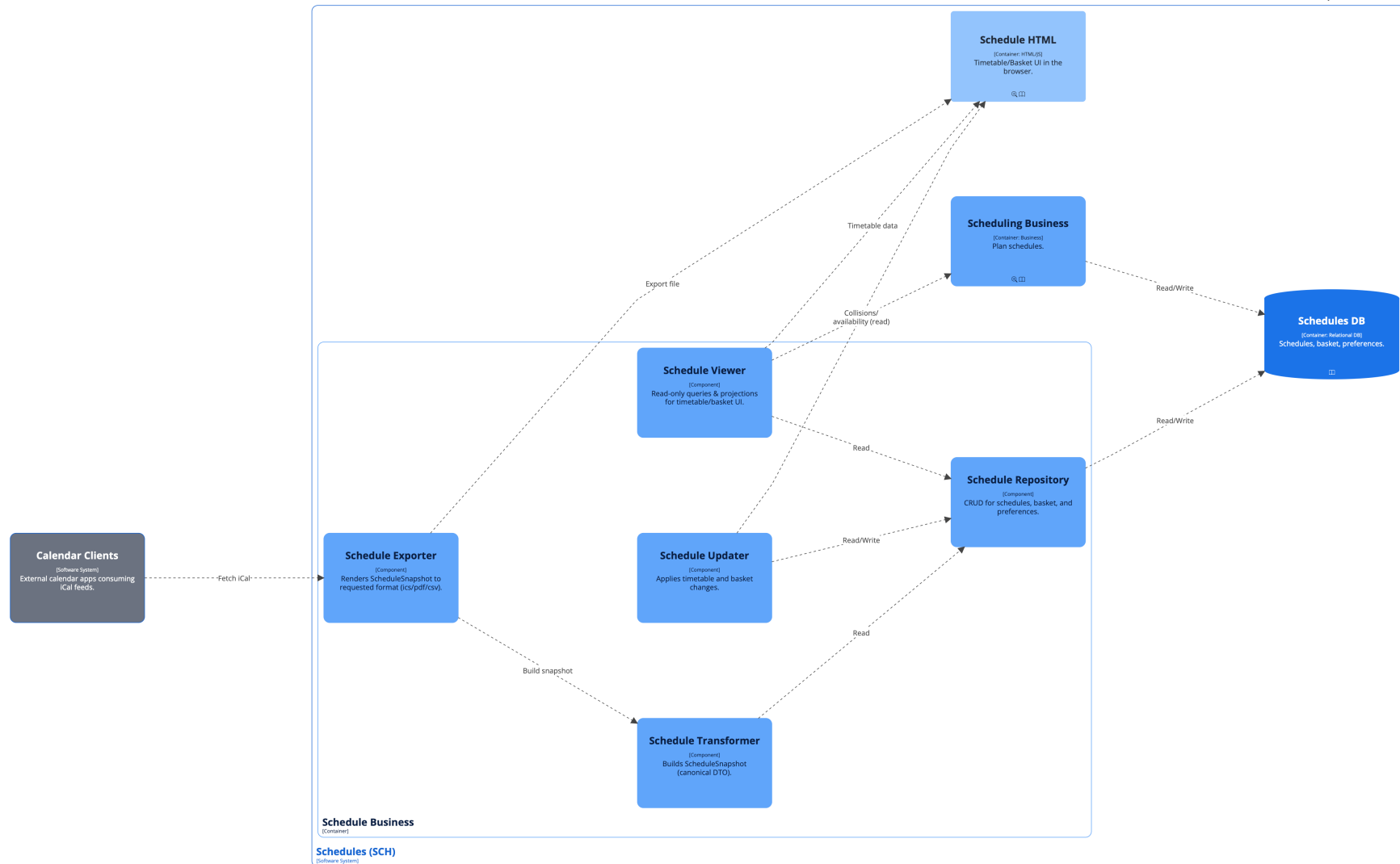


Schedule Business

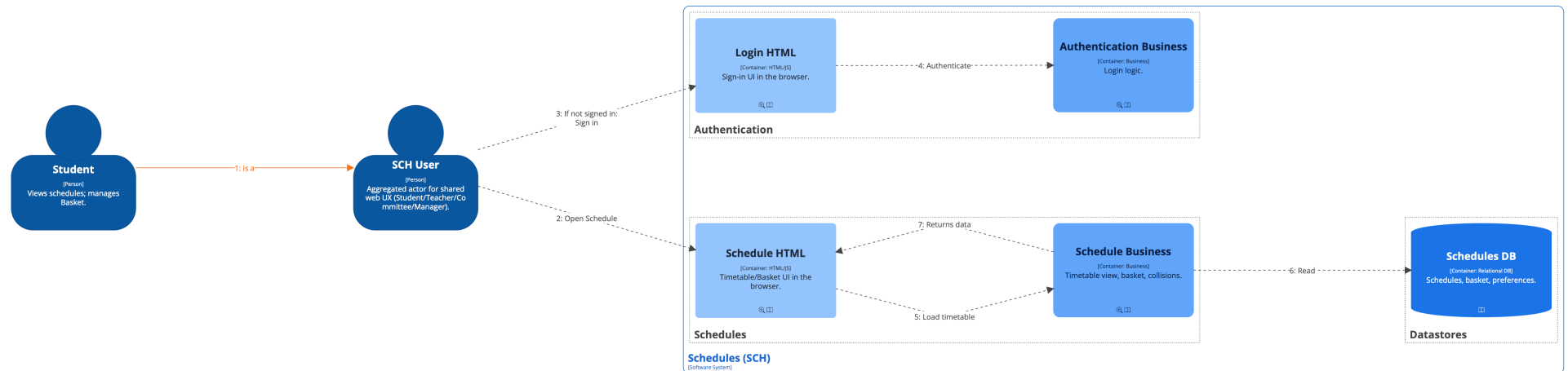
[Container: Business]

Timetable view, basket, collisions.



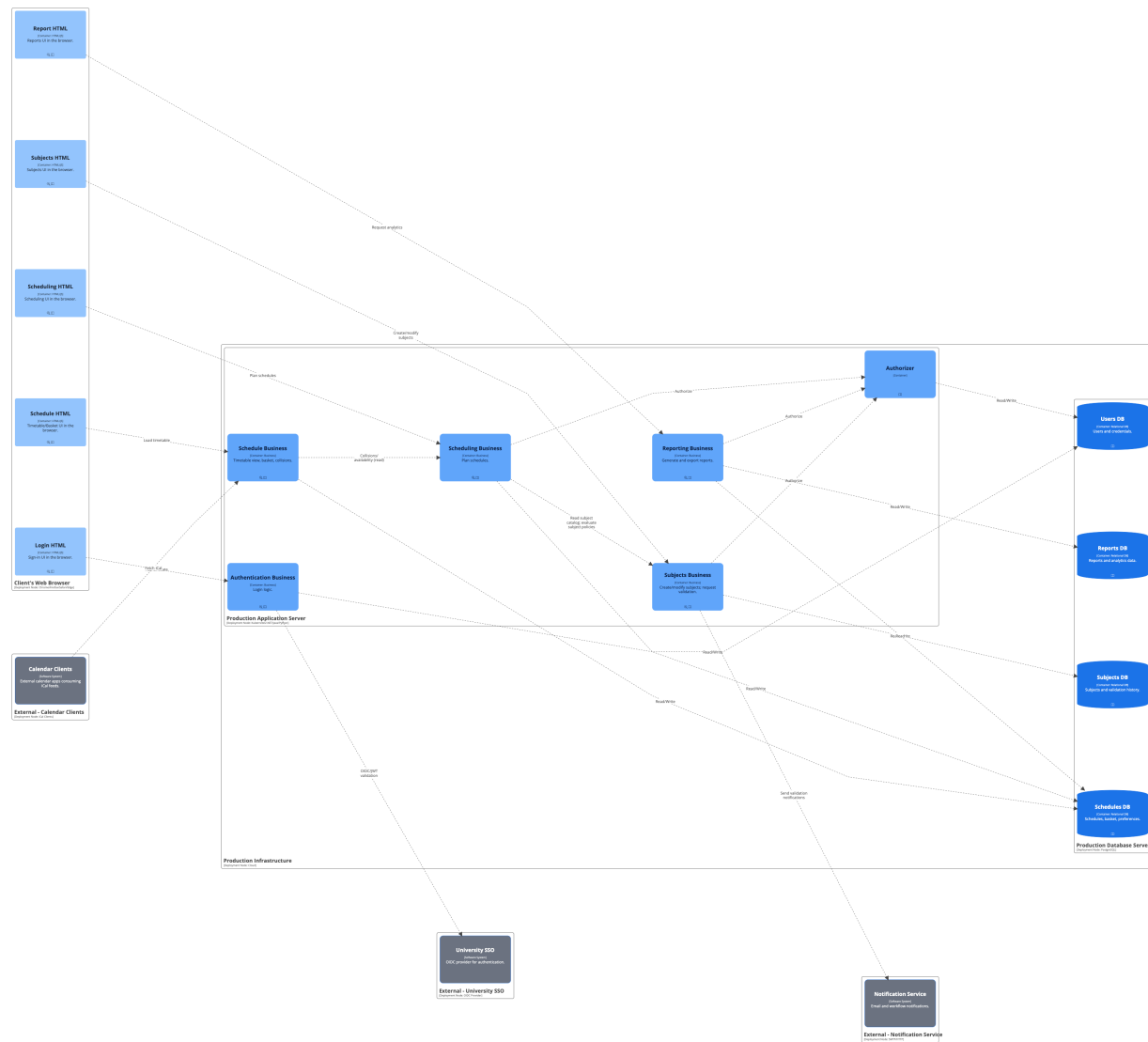


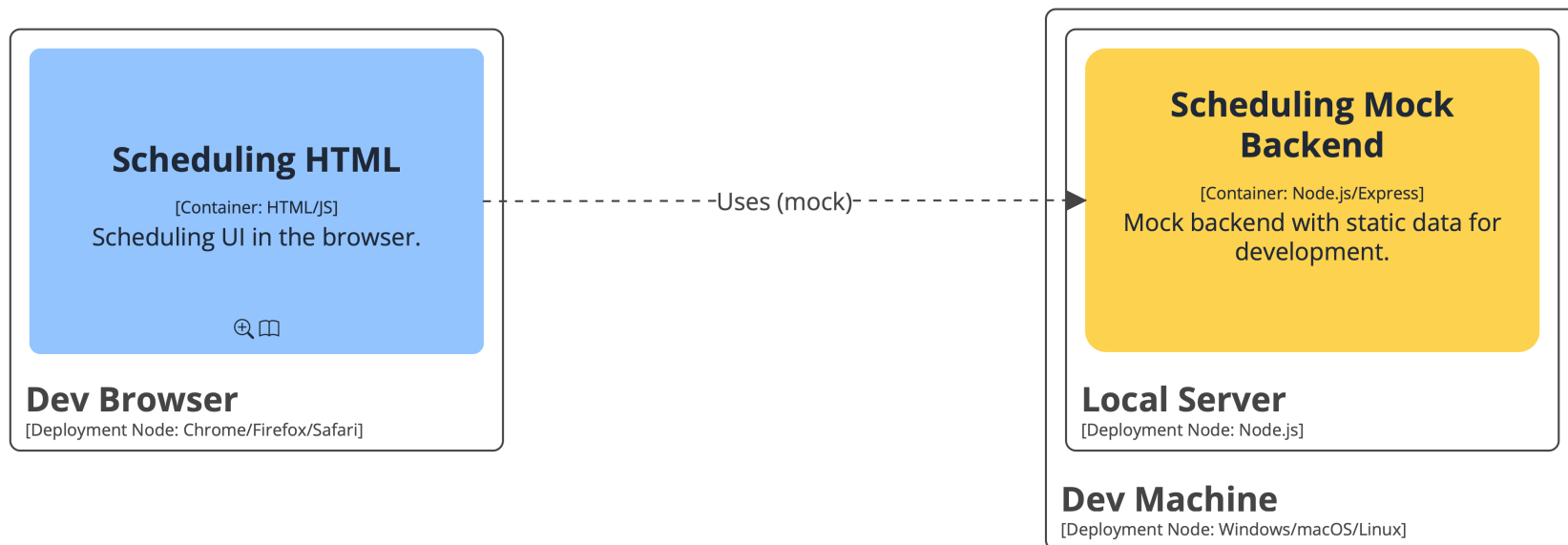
Dynamic diagram - View schedules (Student)



Deployment diagrams

Toma, Helmich





Questions?