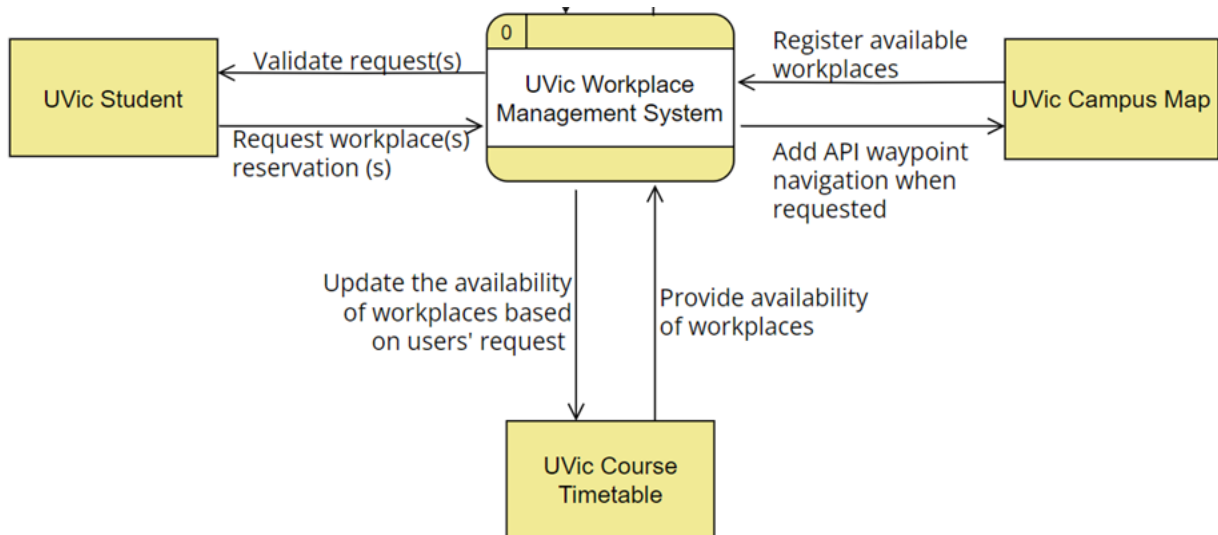


I. Context Diagram

This context diagram shows the overall scope of the system and its interaction with external entities. It has a single process node titled "UVic Workplace Management System" and 3 external entities:

- UVic Student
- UVic Course Timetable
- UVic Campus Map

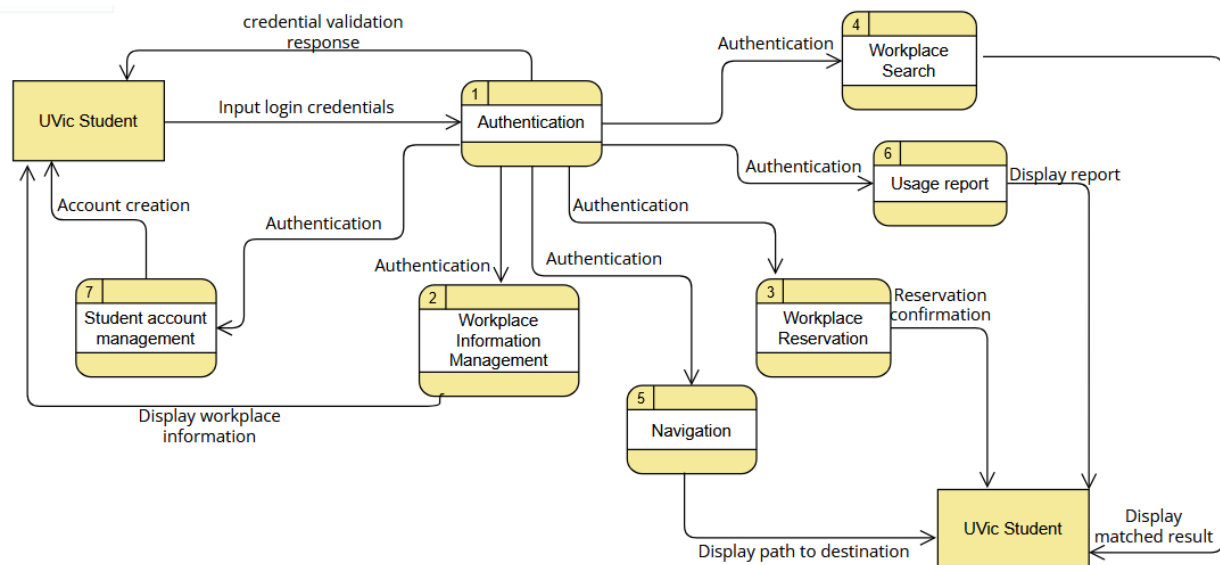


II. Level 0 Diagram

This level 0 diagram breaks down the context diagram into 7 main processes (5 important processes and 2 existing processes):

- Authentication
- Workplace information management
- Workplace reservation
- Workplace search
- Navigation
- Usage report

It shows the key flows between external entities and processes like login details, study space info, reservation details etc.



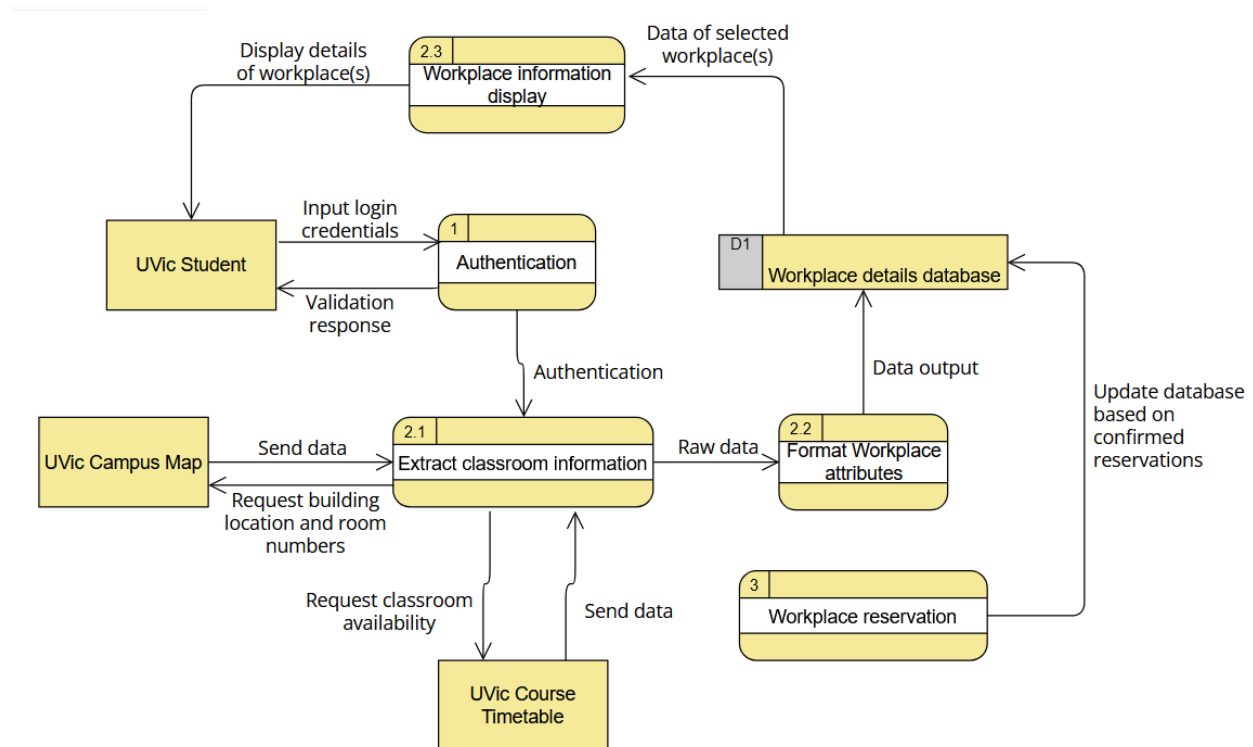
III. Diagram 1s

III. I Workplace Information Management

This diagram decomposes the "Workplace Information Management" process from the level 0 diagram into further sub-processes:

- Extract classroom information
 - Building locations and room numbers from UVic campus map
 - Classroom availability from UVic course schedule
- Format workplace attributes
 - Store the data in the Workplace details database
- Update Database based on workplace reservations
- Workplace information display

Key data flows involve course schedule data, room details, availability status updates etc.

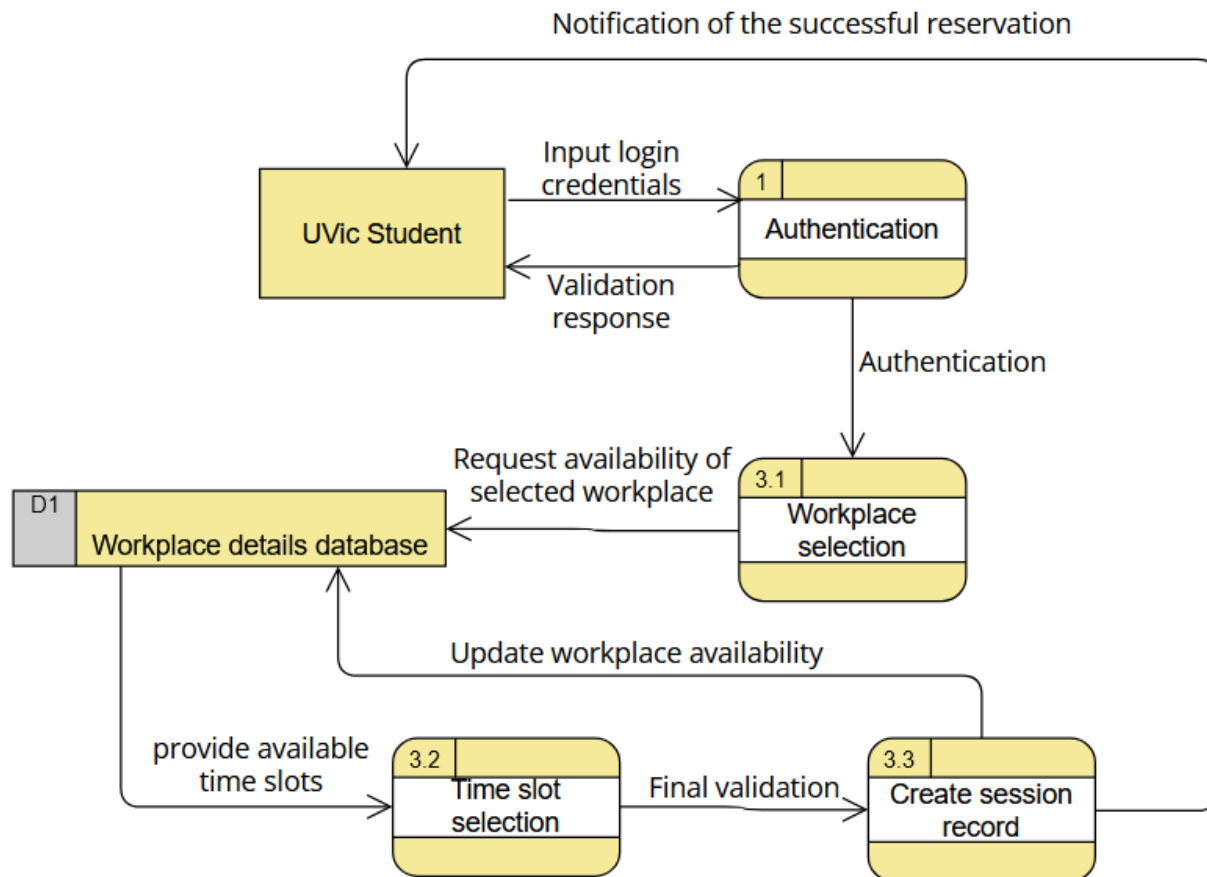


III. II Workplace reservation

This diagram breaks down the "Workplace reservation" process into:

- Search a workplace
- Request availability of the workplace from database
- Time slot selection
- Create session record
- Notify users about the successful reservations

Key data flows cover availability data, booking details, confirmation messages etc.

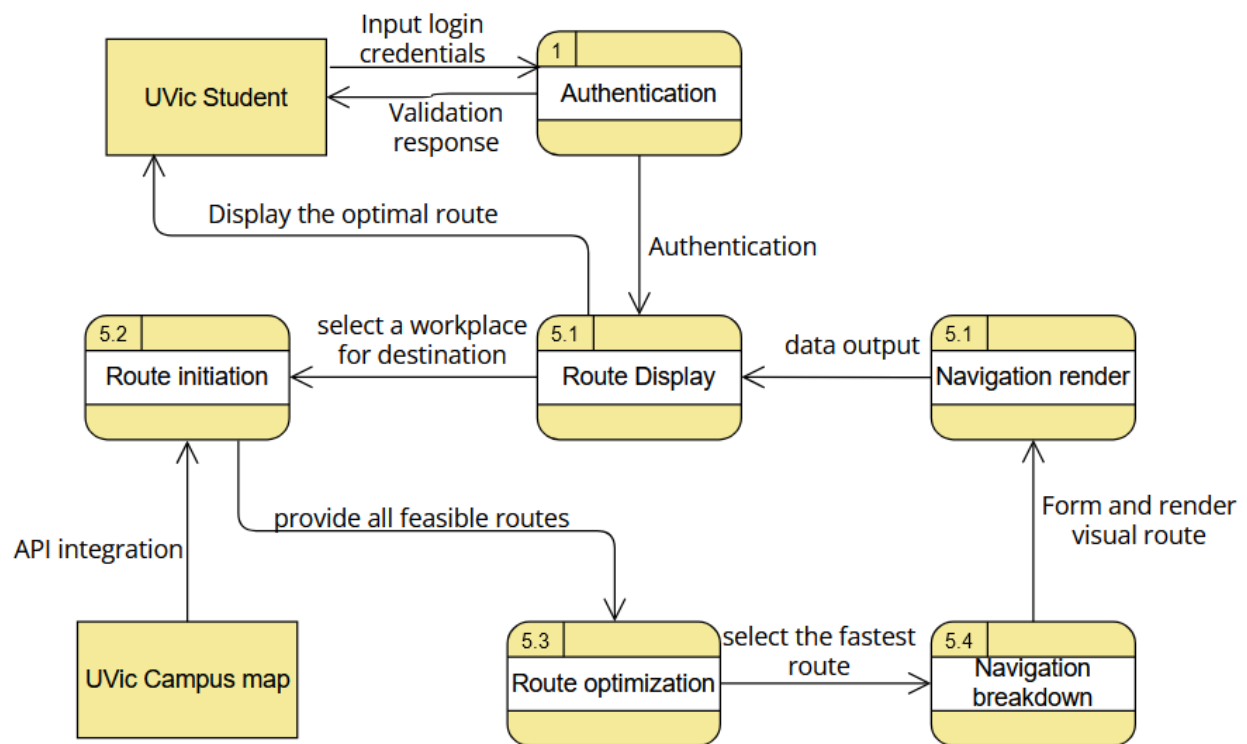


III. III Navigation

This diagram decomposes the "Navigation" process with these sub-processes:

- Route display
- Route initiation
 - Generate route based on the destination
 - Integrate with the UVic campus map
- Route optimization
- Navigation breakdown
- Navigation render
 - Last step before display the route to users

It focuses on room location data, route details, directions, and navigation display.

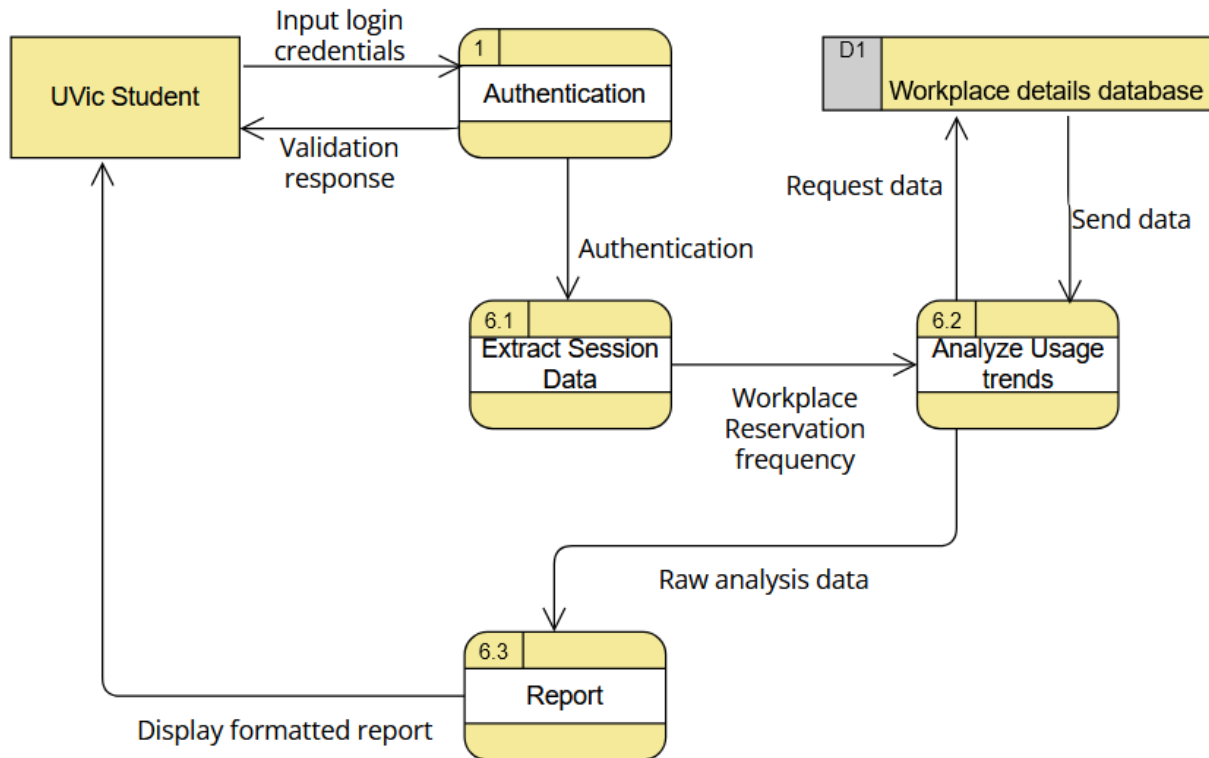


III. IV Usage Report

This diagram decomposes the "Usage Report" process with these sub-processes:

- Extract Session Data
- Analyze Usage Trends
- Create Usage Reports
- Deliver Reports

It focuses on tracking usage.



III.V Account Management

This diagram decomposes the "Account Management" process with these sub-processes:

- Account creation
 - Store the data into database
- Account overview
 - Format and output account details
- Account deletion
 - Request from users

Display account details

