

Assignment 9: Using PHP Classes

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URL (main branch): https://github.com/javisin22/csc372_projects

URL (client_site_v6): https://github.com/javisin22/csc372_projects/tree/client_site_v6

URL (live site): [here](#)

Part I: Designing Objects

1. What will your object represent on your client site?

Each object will represent an Appointment in ClassConnect. An appointment links a tutor and a student for a specific subject, time, and location.

2. What data do you need to know about that type of object in order for your client site to do its job?

To perform its job, each Appointment needs to store:

- tutor: The name (or ID) of the tutor teaching this session.
- student: The name (or ID) of the student attending.
- subject: The subject or topic for the session.
- date: The date of the appointment.
- startTime: The start time of the session.
- endTime: The end time of the session.
- location: The place (or link, if online) for the session.
- status: Whether the session is scheduled, completed, or canceled.

3. What tasks will users of your client site perform with each type of object?

Users (tutors or students) will be able to:

- book(): Reserve or create a new appointment, setting the status to "scheduled."
- cancel(): Cancel an existing appointment, updating the status to "canceled."
- reschedule(newDate, newStart, newEnd): Change the appointment's date/time.
- checkStatus(): Return the current status (e.g., "scheduled," "canceled," "completed").

4. Sketch out information boxes showing TWO objects that contain the same pieces of data about each object but with different values. It must contain the following:

- Properties with values
- Methods with descriptions

Object Type: Appointment	
Data	Value
tutor	Tutor Claudia
student	Student Javichu
subject	Mathematics
date	2025-05-10
startTime	10:00 AM
endTime	11:30 AM
location	61 Upper College Rd, Kingston, RI
status	scheduled
Task	Purpose
book()	Creates a new appointment with the provided details and sets its status to "scheduled"
cancel()	Cancels the appointment by updating the status to "canceled."
reschedule()	Updates the appointment's date and time details, and resets its status to "scheduled."
checkStatus()	Returns the current status of the appointment

Object Type: Appointment	
Data	Value
tutor	Tutor Javier
student	Student Ana
subject	Chemistry
date	2025-05-12
startTime	2:00 PM
endTime	3:00 PM
location	Online (Zoom)
status	scheduled
Task	Purpose
book()	Creates a new appointment with the provided details and sets its status to "scheduled"
cancel()	Cancels the appointment by updating the status to "canceled."
reschedule()	Updates the appointment's date and time details, and resets its status to "scheduled."
checkStatus()	Returns the current status of the appointment

Part III: Hosting Your Site

For this assignment, as my original site is a Next.js + React.js app needing a Node.js runtime, I haven't been able to incorporate this in the original site itself. However, I have added a link in the main page where the PHP appointment class page can be accessed.

- ClassConnect: <https://classconnect-18h8.onrender.com>
- Link to manually access the PHP page:
https://javiersinpelayo.rhody.dev/csc372_projects/client_site/appointments.php