

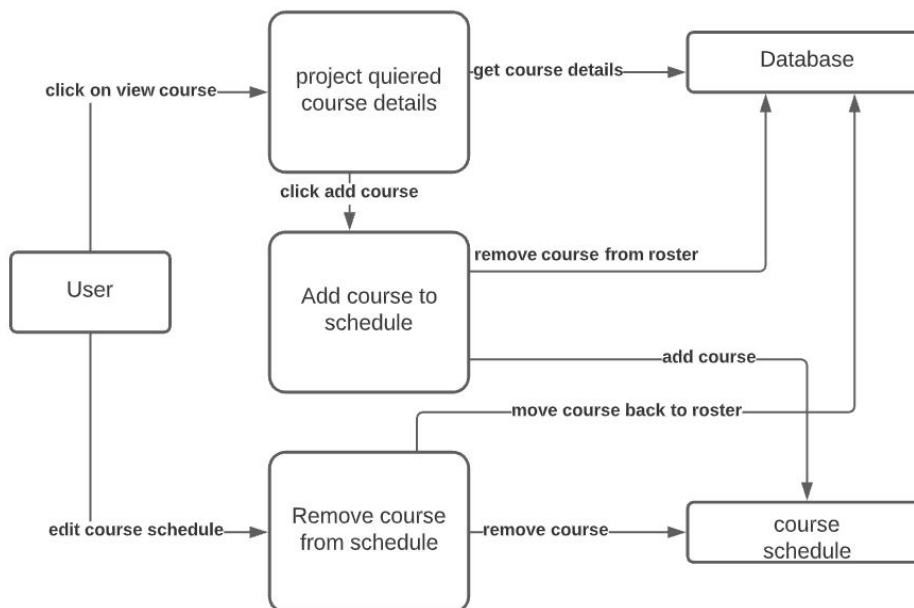
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project.pdf
Lab 6 document
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1. The primary language for this application is PHP.
2. The language is generally agreed to be interpreted although many mention that PHP is written from C and can be used as a compiled language to increase performance. Most would agree that PHP is both interpreted and compiled . PHP is compiled into bytecode that is then parsed and converted to be interpreted by the runtime engine

Source:

<https://www.freecodecamp.org/news/compiled-versus-interpreted-languages/>

3. High-Level...



External Entity: User

Process: User will view course details,
User will add course to schedule,
added course will move to course schedule,
communicate to database that course moved,
course schedule will hold course info,

remove course from course schedule,
Communicate to database that course moved back to roster
Flow lines: course details clicked, get course details, add course clicked, etc.
DataStore:Database/Course schedule

Low-Level...

PDO (PHP Data Objects)

For PHP HTTP is the most relevant protocol to my project although PHP can use FTP, Websockets and SSL.

HTTP (HyperText Transfer Protocol) is a communication protocol that has the client request data from the server.

4.

Waiting:

Queries waiting for results from Database.

Using PHP and PDO we ask for query of data,
send request to database that then does query,
wait for the database to do a query and send back data.
Display that data in class schedule and roster.

HTTP GET requests data from the server, then awaits a response.

The browser sends a request and that server then processes and returns an output.