

Open Source Website Project

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Project Technologies

Client:

- PHP
- Javascript



Server:

- AJAX
- Python
- MySql
- G Cloud



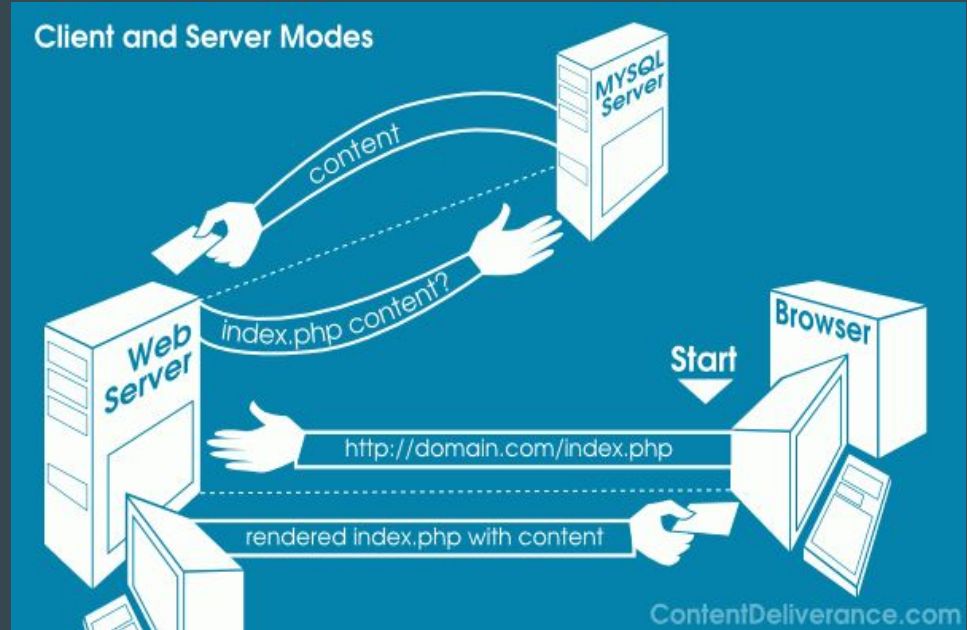
Demo

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<http://www.screencast.com/t/vvYyWUQ0a>

Design Patterns

- Factory
 - Used
- Iterator
 - Could have used
- Strategy
 - Could have used



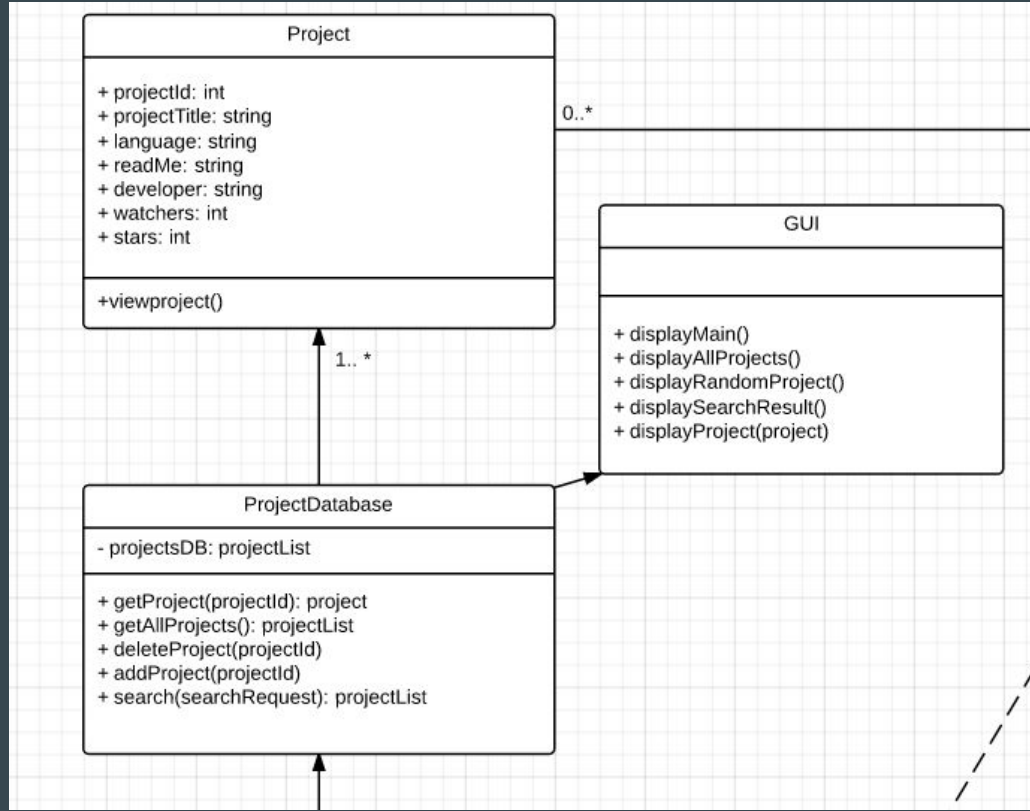
Factory Design Pattern

Problem: Each project needs a webpage that will display its readme, name, and url.

Solution: Use a factory to produce the html to view each product in detail.



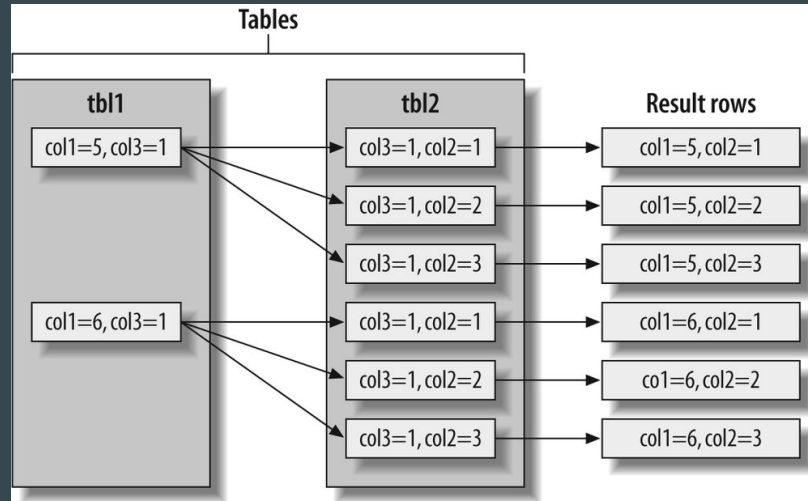
Class Diagram



Iterator Design Pattern

Problem: MySQL queries return tables of objects

Solution: Use iterator design pattern as a way to access elements inside of objects



Strategy Design Pattern

Problem: Client needs an algorithm to handle database objects

Solution: Use strategy design pattern to get object details



Lessons Learned

- Inexperience with frameworks leads to design challenges
- Upfront design cannot always save you from bad code, but you it can help you a lot

Thank You