

Web Application Engineering

Lab # 11

Objectives

Get basic understanding to the implementational aspects of

- Object Oriented paradigm in PHP
- Database connections with PHP

Lab Activities

- 1) Create a base class to store characteristics about a Loan. Include customer details in the Loan base class such as name, loan number, and amount of loan. Define subclasses of AutoLoan and HomeLoan. Include unique characteristics in the derived classes. For example you might include details about the specific auto in the AutoLoan class and details about the home in the HomeLoan class. Write appropriate PHP code to test the working of both types of loans.
- 2) Develop an address book application to manage the information of friends and relatives. All the contacts have first name, last name, address and date of birth data fields. All the friends have the information of the institute/college/university where they are the currently studying and their discipline of study. All the colleagues have designation and company name and relatives have type of relationship i.e. Cousin, aunty etc. Your application should have the following functionality:
 - Add a new contact
 - Search a contact with respect to first name and last name.
 - Search a contact with respect to cell number.

Design an in-memory Object Oriented solution for this scenario. (Note: Do not use databases, you have to work with classes and objects)

Create the following database and tables in MySQL for rest of the tasks

- Create a database “authentication”
- Create following table

users
user_id
username
password
email

Write the PHP code that connects to this database and perform the following tasks.

- 3) Read all the data from this Database table and show it as HTML table.
- 4) Display only the usernames and emails in the form of Unordered list that starts with “S”
- 5) Using *exec* method, insert a dummy row in this table (do not use forms, just insert dummy data)

- 6) Design a form in which user can enter the user_id. Upon submission of this form, grab the submitted user_id and delete the database row from this table where user_id is equals to the submitted user_id.
- 7) Truncate the table.