

## 4.5 DATABASE CONNECTIVITY

```
connection > connection.php
1  <?php
2      $host = 'localhost';
3      $user = 'root';
4      $password = '';
5      $dbname = 'inventory_db';
6      $conn = new mysqli($host, $user, $password, $dbname);
7
8  if(!$conn){
9      die("Error: Failed to connect to database");
10 }
11 ?>
```

Figure 4.21: Connection to database

PHP is a popular programming language that can be used to connect to a variety of databases, including MySQL, Oracle, and Microsoft SQL Server. To connect to a database using PHP, you can use the built-in function `mysqli_connect()` or PDO. The `mysqli_connect()` function is used to connect to a MySQL database and the PDO class is used to connect to other databases.

Once a connection has been established, you can use various functions to perform operations on the database such as querying, inserting, and updating data.

## 4.6 MODULES

In a project, the database user module is used to manage and accessing the data stored in a database. The user module provides additional functionality for managing the database itself, such as creating and modifying tables, and monitoring database performance. The modules typically require authentication and authorization to ensure that only authorized users can access and make changes to the data like update, insert and delete.