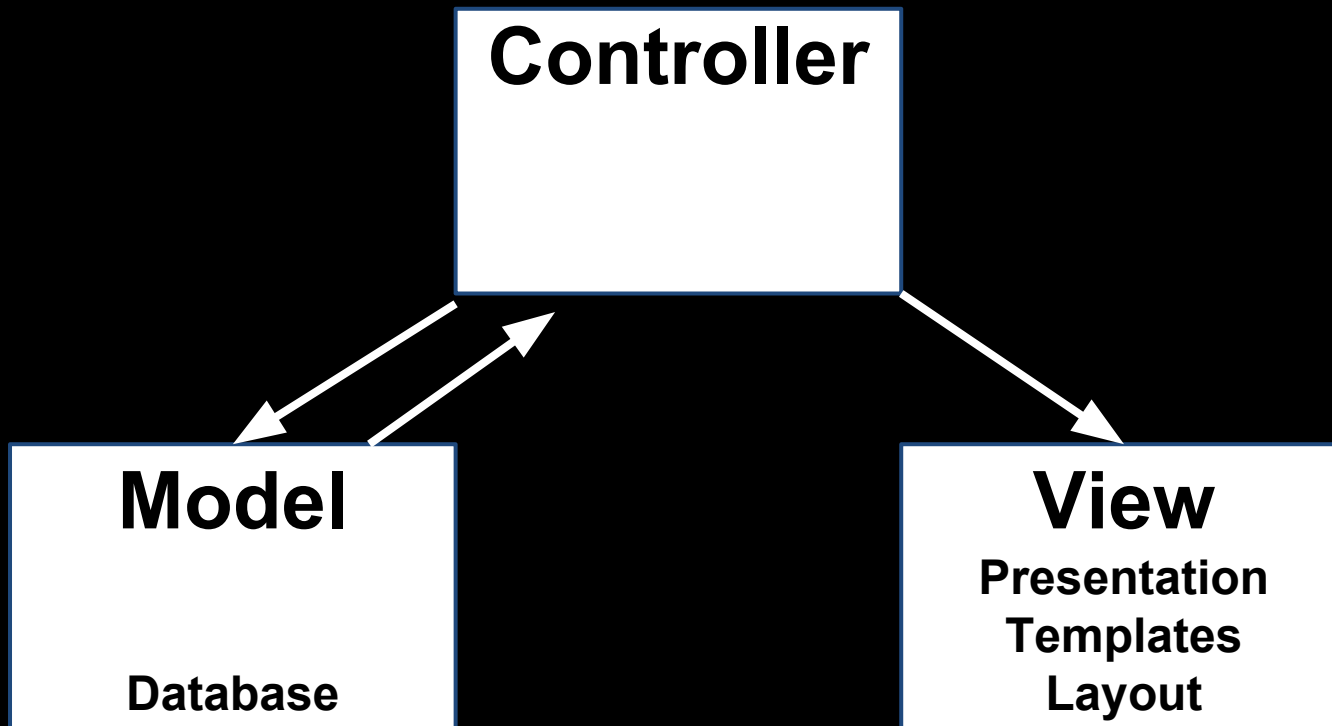


# MVC



**Model-View-Controller**

# MVC

<b>COMPONENT</b>	<b>FUNCTION</b>	<b>EXAMPLE</b>
Model	<ul style="list-style-type: none"><li>- Persistent storage of information</li><li>- Managing and organizing data</li></ul>	<ul style="list-style-type: none"><li>- MySQL database</li><li>- Data files</li></ul>
View	<ul style="list-style-type: none"><li>- Presentation of information to user</li><li>- User interface</li></ul>	<ul style="list-style-type: none"><li>- HTML</li><li>- Minimal PHP (e.g., for iterating over data to print it out)</li></ul>
Controller	<ul style="list-style-type: none"><li>- Handles user requests, gets information from the model</li></ul>	<ul style="list-style-type: none"><li>- PHP</li></ul>

# C\$50 Finance: Model



# C\$50 Finance: Controller

```
$result = query("SELECT * FROM some_table");

if ($result !== false)
{
    foreach ($result as &$row)
    {
        /* process row of result */
    }

    render("some_template", array("data" => $result));
}
else
{
    apologize("Error communicating with database.");
}
```

# C\$50 Finance: View

some\_template.php:

```
<ul>
  <?php foreach($data as $row): ?>
    <li><?= $row["name"] ?></li>
  <?php endforeach ?>
</ul>
```