

StudentModel.php

```
<?php
```

```
namespace Caya\StudentManagement\Model;
```

```
use Caya\StudentManagement\Core\Crud;
```

```
use Caya\StudentManagement\Core\Database;
```

```
class StudentModel extends Database implements Crud
```

```
{
```

```
    public $id;
```

```
    public $fullname;
```

```
    public $yearlevel;
```

```
    public $course;
```

```
    public $section;
```

```
    public function __construct()
```

```
    {
```

```
        parent::__construct(); // Call Database constructor to set $this->conn
```

```
        // Initialize properties
```

```
        $this->id = "";
```

```
        $this->fullname = "";
```

```
        $this->yearlevel = "";
```

```
        $this->course = "";
```

```
        $this->section = "";
```

```
    }
```

```
    public function displayInfo()
```

```
    {
```

```
        echo "ID: " . $this->id . "\n";
```

```
        echo "Fullname: " . $this->fullname . "\n";
```

```
        echo "Year Level: " . $this->yearlevel . "\n";
```

```
        echo "Course: " . $this->course . "\n";
```

```
        echo "Section: " . $this->section . "\n";
```

```
    }
```

```
    public function create()
```

```
    {
```

```
        $sql = "INSERT INTO students (id, name, year_level, course, section) VALUES (?, ?, ?, ?,  
?)";
```

```
        $stmt = $this->conn->prepare($sql);
```

```

        if (!$stmt) {
            return "Prepare failed: " . $this->conn->error;
        }

        $stmt->bind_param("sssss", $this->id, $this->fullname, $this->yearlevel, $this->course,
$this->section);
        $stmt->execute();

        if ($stmt->affected_rows > 0) {
            return true;
        } else {
            return false;
        }
    }

    public function read()
    {
        $sql = "SELECT * FROM students";
        $result = $this->conn->query($sql);

        if ($result && $result->num_rows > 0) {
            return $result->fetch_all(MYSQLI_ASSOC);
        }

        return [];
    }

    public function update()
    {
        $sql = "UPDATE students SET name = ?, year_level = ?, course = ?, section = ? WHERE
id = ?";
        $stmt = $this->conn->prepare($sql);

        if (!$stmt) {
            return "Prepare failed: " . $this->conn->error;
        }

        $stmt->bind_param("sssss", $this->fullname, $this->yearlevel, $this->course,
$this->section, $this->id);
        $stmt->execute();

        return $stmt->affected_rows > 0;
    }

```

```
public function delete()
{
    $sql = "DELETE FROM students WHERE id = ?";
    $stmt = $this->conn->prepare($sql);

    if (!$stmt) {
        return "Prepare failed: " . $this->conn->error;
    }

    $stmt->bind_param("s", $this->id);
    $stmt->execute();

    return $stmt->affected_rows > 0;
}
?>
```