

1. Create API for Registration & Login Page

```
//connection
```

```
$servername = "localhost";  
$username = "username";  
$password = "password";  
$dbname = "api";
```

```
$conn = new mysqli($servername, $username, $password, $dbname);
```

```
if ($conn->connect_error) {  
    die("Connection failed: " . $conn->connect_error);  
}
```

```
//Registration API
```

```
$username = $_POST['username'];  
$email = $_POST['email'];  
$password = password_hash($_POST['password'], PASSWORD_DEFAULT);
```

```
$sql = "INSERT INTO users (username, email, password) VALUES ('$username', '$email', '$password')";
```

```
if ($conn->query($sql) === TRUE) {  
    echo "Registration successful.";  
} else {  
    echo "Error: " . $sql . "<br>" . $conn->error;  
}
```

```
$conn->close();
```

```
//Login API
```

```
$email = $_POST['email'];  
$password = $_POST['password'];
```

```
$sql = "SELECT id, username, password FROM users WHERE email = '$email'";  
$result = $conn->query($sql);
```

```
if ($result->num_rows > 0) {  
    $user = $result->fetch_assoc();  
  
    if (password_verify($password, $user['password'])) {
```

```

        echo "Login successful.";
    } else {
        echo "Invalid email or password.";
    }
} else {
    echo "Invalid email or password.";
}

$conn->close();

```

2. Create a Web Service for your MVC Project. Create API for Image Uploading.

=>PHP script for image uploading

```

<?php
$target_dir = "uploads/";
$target_file = $target_dir . basename($_FILES["fileToUpload"]["name"]);
$uploadOk = 1;
$imageFileType = strtolower(pathinfo($target_file,PATHINFO_EXTENSION));

// Check if image file is a actual image or fake image
if(isset($_POST["submit"])) {
    $check = getimagesize($_FILES["fileToUpload"]["tmp_name"]);
    if($check !== false) {
        echo "File is an image - " . $check["mime"] . ".";
        $uploadOk = 1;
    } else {
        echo "File is not an image.";
        $uploadOk = 0;
    }
}

// Check if file already exists
if (file_exists($target_file)) {
    echo "Sorry, file already exists.";
    $uploadOk = 0;
}

// Check file size
if ($_FILES["fileToUpload"]["size"] > 500000) {
    echo "Sorry, your file is too large.";
    $uploadOk = 0;
}

```

```

}

// Allow only certain file formats
if($imageFileType != "jpg" && $imageFileType != "png" && $imageFileType != "jpeg"
&& $imageFileType != "gif" ) {
    echo "Sorry, only JPG, JPEG, PNG & GIF files are allowed.";
    $uploadOk = 0;
}

// Check if $uploadOk is set to 0 by an error
if ($uploadOk == 0) {
    echo "Sorry, your file was not uploaded.";
// if everything is ok, try to upload file
} else {
    if (move_uploaded_file($_FILES["fileToUpload"]["tmp_name"], $target_file)) {
        echo "The file ". htmlspecialchars( basename( $_FILES["fileToUpload"]["name"])) . " has
been uploaded.";
    } else {
        echo "Sorry, there was an error uploading your file.";
    }
}
?>

```

=> HTML file uploading Form

```

<!DOCTYPE html>
<html>
<body>

<form action="upload.php" method="post" enctype="multipart/form-data">
    Select image to upload:
    <input type="file" name="fileToUpload">
    <input type="submit" value="Upload Image" name="submit">
</form>

</body>
</html>

```