

# **PMPS - Patient Medical Profile System**

## **Front-End Security Mechanisms**

### JavaScript-based Data-Validation

- Validating user inputs at real-time
- Indicating and removing invalid inputs from forms
- Preventing invalid inputs from being sent to further processing pages
- Invalid inputs also include injection attack string

### PHP-based API Functions

- Data-validation layer
- Transmitting encrypted Login JSON request over TCP port to Back-End
- Receiving, decrypting ,validating and authenticating Login JSON response
- Encoding a JSON request per an API function
- Transmitting encrypted JSON request over TCP port to Back-End
- Receiving encrypted JSON response which matches the request
- Decrypting and validating JSON response attributes and setting session variables accordingly
- Print retrieved data on a specific webpage
- Each API function is being processed independently of other functions (unique .php file)

### PHP-based Restricted Views

- Access to restricted views is based on session variables and additional authentication mechanisms
- An additional data-validation layer
- Access to relevant API functionality presented is restricted base on type of permission

## Front-End Structure

### **Login Process and Interface**

- index.php

### **Login Authentication**

- auth.php

### **JavaScript Validation:**

- initialValidation.js

### **PHP Validation**

- validation.php

### **Restricted Views:**

- home\_emt.php
- home\_doctor.php
- home\_admin.php

### **Logout Interface**

- logout.php

### **Additional API Functions**

- retPatInfo.php
- addPat.php
- modPatInfo.php
- modPatName
- remPat.php

### **Design Elements**

- style.css
- jquery.placeholder.js