

## OpenEMR Project Roadmap:

### 1. Data validation and security

- Client-side validation library
- Client-side validation for Layout-Based forms
- Database fields meta-dictionary
- Server-side validation

### 2. Enterprise readiness

- Smartcard support and single sign-on (SSO)
- PSR-3 logger
- Data versioning as audit tool (i.e. store versions of data )

### 3. Framework

- Asset manager to allow custom CSS and JS files in a selected location.
- Introduce PSR-4 autoloader
- Consolidate 3rd party client side libraries
- Package management for 3rd party PHP libraries ( html2pdf, phpmailer, etc. )
- Consolidate PHP (including PDF) libraries
- Normalize directory structure
- Migrate code to DAO(data access objects) models
- Separate Templating from code

### 4. Functionality

- Authorization enhancements
- Support for Microsoft Office document format based templates
- Support direct integration with cameras and scanners
- Support interfacing with lab equipment
- Multi-clinic support

### 5. Future proofing

- Migrate the legacy smarty code from 2.x to 3.x (or migrate the legacy code to another mvc)
- Truly installable modules

### 6. QA and testing

- Manual Testing Scripts
- Automated testing using Selenium
- Unit testing
- Automatic build with code scanning

### 7. I18N and L10N (internationalization)

- Allow different Insurance models

### 8. Security

- One web root
- Isolate installation and patch scripts into their own folder

### 9. Calendar

- Facility level calendar management (working hours)

--National holidays support

#### 10. Performance

--speed up Globals

--speed up Installation script

#### 11. UI, UX

--Adoption of Bootstrap Framework

--Replace date picker widget for newer, accessible version.