

EasyWeb Framework

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Outline

- **EasyWeb: a (1-1-n+) model**

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- ☐ **1 Web Front:** for end-users
- ☐ **1 Web Admin:** for staffs
- ☐ **n+ API Backend:** focus on business modules

EasyWeb: 1 Web Front

- ☐ **Multiple devices support**
- ☐ **SEO optimization, Content marketing**
- ☐ **Easy to expand or integrate with open services: FB, G+,**
- ☐ **Reuse themes or existing website's layouts**

EasyWeb: 1 Web Admin

- ☐ **Single Sign-On: one account for authen & authorization**
- ☐ **Enterprise application on Web**
- ☐ **Performance and Security**

EasyWeb: Frontend:

1 Front & Admin

- ☐ **Open Web standard: HTML (5), CSS (3), JS**
- ☐ **UI/ UX best practices:**
 - ☐ **ViewFirst-LoadFirst:**
 - ☐ **friendly interaction: Client Responsive**
- ☐ **Independence: separate the interface and system's functions**
- ☐ **Optimized Cost: operation and maintenance**

N+ api backend

- ☐ **Open standard:**
 - ☐ **Restful API, SOAP**
 - ☐ **Sharepoint, Cloud Services,...**
- ☐ **Independent from:**
 - ☐ **programming languages: C#, Java, PHP, ...**
 - ☐ **database system**
- ☐ **Easy to replace, expand or integrate with others**

the MCST Project

- ☐ **1 Web Front : could be added**
- ☐ **1 Web Admin**
- ☐ **2+ API Backend**
 - ☐ **an operation system**
 - ☐ **a report & predictive analysis system**

MCST Project: Web Admin

- ☐ for staff operation: run on PCs, tablets,
 - ☐ details actions, transactions
 - ☐ easy to use and performance and security
- ☐ for high-level management: run on mobile
 - ☐ submit approve (for supervisors, directors, ...)
 - ☐ overview statistics, reports
- ☐ Single Page Application: (SPA) framework
 - ☐ Aurelia, HTML5, CSS3, JS 2015

1 Backend: operations system

- ☐ for 7 modules

 - ☐ AGM, Contractors,... management

- ☐ Technology:

 - ☐ Linux: loopback (nodejs), PostgreSQL (MySQL): higher development cost, no license

 - ☐ Windows: Asp.net WebPI 2, MSSQL : Licence cost

- ☐ Deployment: SSL, Load balancing, DDOS, ...

 - ☐ Cloud: Azure, Amazon, ...

 - ☐ On Premise: Digital Ocean , Vultr, ...

1 Backend: report & predictive analysis

- ☐ **ODBC /JDBC for Microsoft Excel, SAP lumira, tableau**
- ☐ **ElasticSearch and Analytis**
- ☐ **R programming**
- ☐ **Database: Couchbase or MongoDB**