

Apache OFBiz + Modern UI = Awesomeness

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About me

- Open Source Enthusiastic
- Full Stack Javascript Developer
- Committer @ Apache Roller and Apache Fineract
- Long time Apache OFBiz user
- Mentored students GSOC, GCI and Outreachy programs

#iot #beacons #voip #nodejs #ionic #angular

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Apache OFBiz

- ERP + E-commerce + CRM + Accounting + Manufacturing +
- Automates almost entire business process of Enterprise
- In simple word, complete solution for an Enterprise web application



Experience with OFBiz and Problems

- OFBiz Data Model is perfectly designed
- Really less effort to setup an E-commerce store
- UI/UX Design !! hmmm
 - FTL Templates syntax difficult to understand for html/css developers
 - Backoffice apps forms are designed in XML
 - Difficult to do major theme changes in backoffice
 - Backoffice is filled with sooo.. Many features which many time confuses end users.

Why should we care too much on UI/UX ?

- High Competition with other platforms
- End Users don't much care about what going behind the wall
- Good UI/UX enhances customer satisfaction
- Everybody talking about Material Design !!

Decouple back-end from front-end

How ?

- RESTful Services
- JSON APIs
- Javascript Frameworks
- Single Page Applications (like AngularJs)

Apache OFBiz and Apache Wink

- Apache Wink is a simple yet solid framework for building RESTful Web services
- Integrating Apache Wink in OFBiz for preparing RESTful services which can be consumed easily.
- Exposing login, catalog, orders etc services to make use in the frontend frameworks
- Let's see some code !

UI Frameworks

- AngularJs is one the widely used javascript framework
- Angular based SPAs are perfect example for building ofbiz back-office applications and in modules.
- Ionic Framework for hybrid app development for Android and iOS
- Charts and Visualisation libraries for reporting



Code & Demo !

Profits !!

- Saved a lot of time
- Less dependency between backend and frontend teams
- High Level of UI/UX customization
- End User Satisfaction
- Mobile Apps Development with Restful APIs

Q/A ??