

Web Programming

YJ – Aug 2015

Course Outline

There're 16 lectures (2.5 hrs each) in this course. We'll mainly focus on web programming using LAMP model.

During the 24 hours tutorials in each week, our tutors will help you go through all the contents in the lecture notes and help you with the assignments

All scheduled lectures are learner-paced which means they could be altered depends on the situation. We help you gain rather than cram!

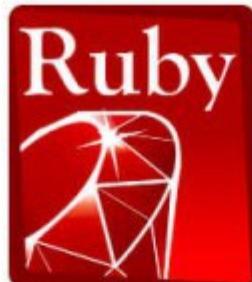
Course Outline

- ❖ L1 ~ Web programming intro
- ❖ L2 ~ HTML5
- ❖ L3 ~ CSS3
- ❖ L4 ~ JavaScripts
- ❖ L5 ~ PHP 1 Basic
- ❖ L6 ~ PHP 2 OO && Functions
- ❖ L7 ~ PHP 3 OO && Sessions
- ❖ L8 ~ PHP 4 Advanced features
- ❖ L9 ~ Mysql
- ❖ L10 ~ Mysql 2
- ❖ L11 ~ XML/JSON
- ❖ L12 ~ Ajax
- ❖ L13 ~ Framework: Bootstrap && Laravel
- ❖ L14 ~ CMS: Wordpress, Joomla, etc.
- ❖ L15 ~ Final Projects
- ❖ L16 ~ Final Projects

What is web programming?



Mainstream Languages



C#



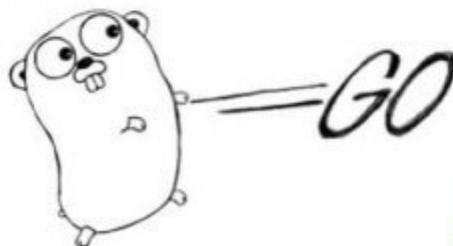
C++



Objective-C



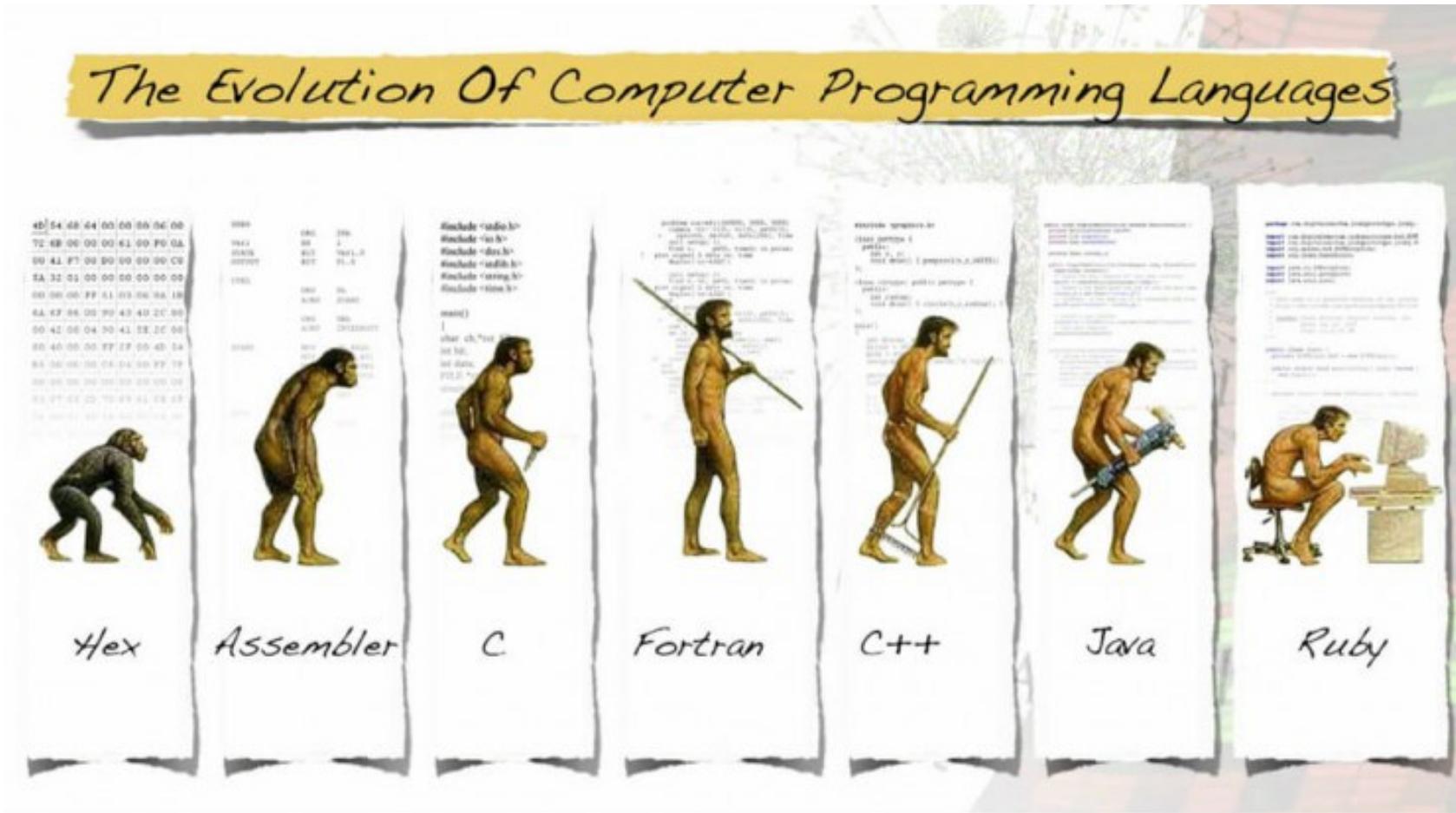
python



THE
PROGRAMMING
LANGUAGE

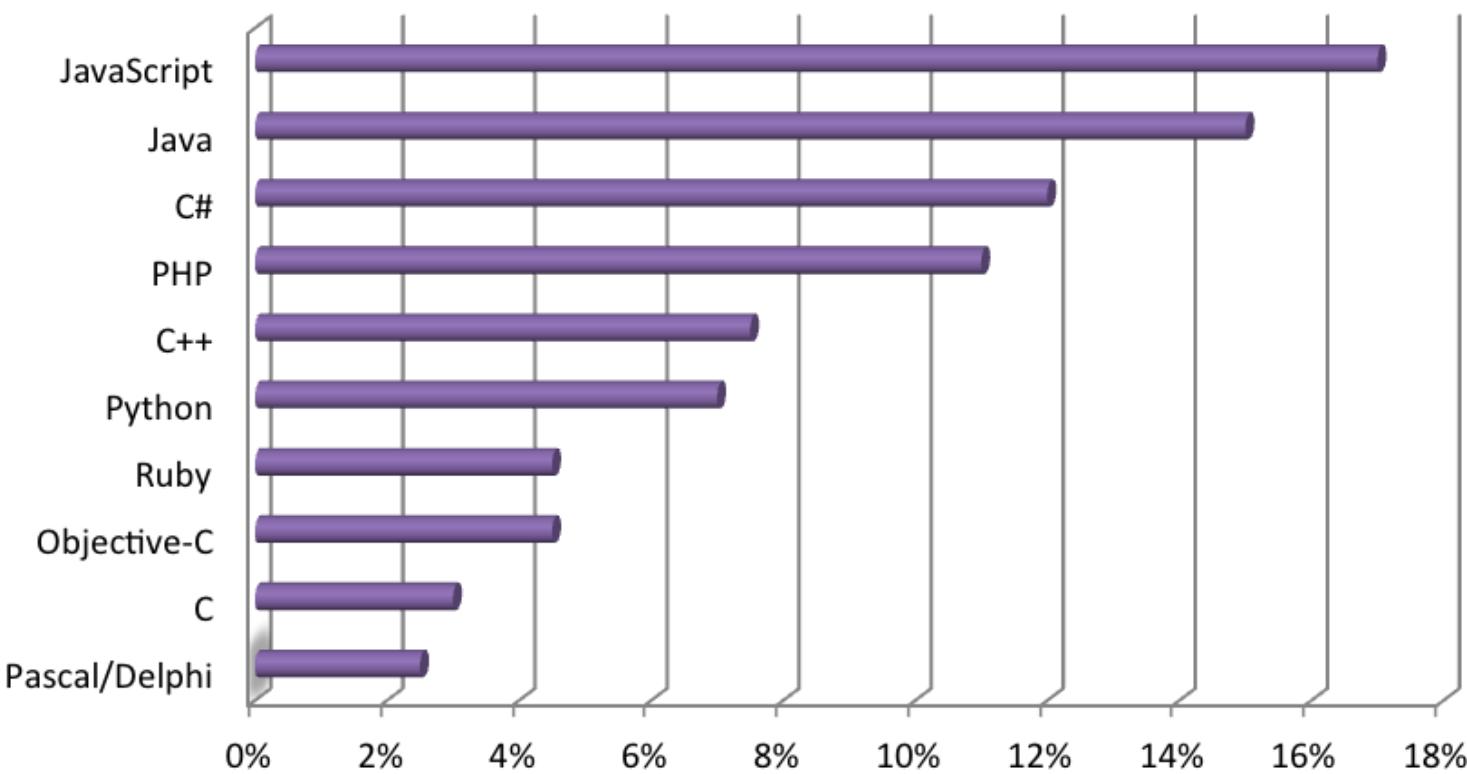


Mainstream Languages

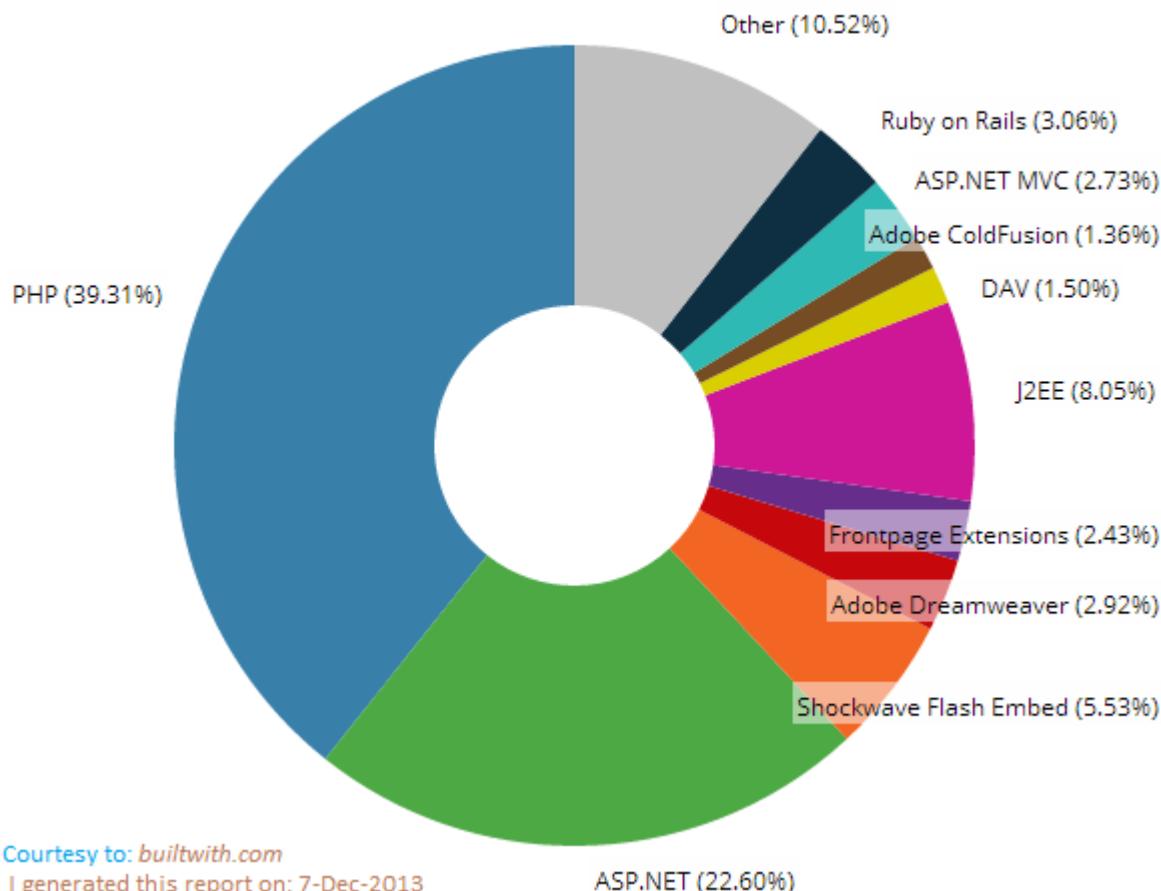


Mainstream Languages

Top 10 Programming Languages Developers Use For Their Pet Projects (Jan 2014)



Mainstream Languages



Why we learn web programming?

- ❖ Immigration
- ❖ Job
- ❖ Money
- ❖ Interest

Permanent Residency

261311 - Analyst Programmer

135111 - Chief Information Officer

263111 - Computer Network and Systems Engineer

262111 - Database Administrator

261312 - Developer Programmer

261111 - ICT Business Analysts

135199 - ICT Managers NEC

135112 - ICT Project Manager

263211 - ICT Quality Assurance Engineer

262112 - ICT Security Specialist

263299 - ICT Support and Test Engineer
NEC

26212 - ICT Support Engineer

26213 - ICT Systems Test Engineer

22311 – ICT Trainer

26111 - Multimedia Specialist

263112 - Network Administrator

263113 - Network Analyst

261399 - Software and Application
Programmer

261313 - Software Engineer

261314 - Software Tester

262113 - Systems Administrator

261112 - Systems Analysts

313113 - Web administrator

261212 - Web Developer

这些ACS提名的移民专业都需要编程技能

Job



Job Search \$150k+ Jobs Profile NEW

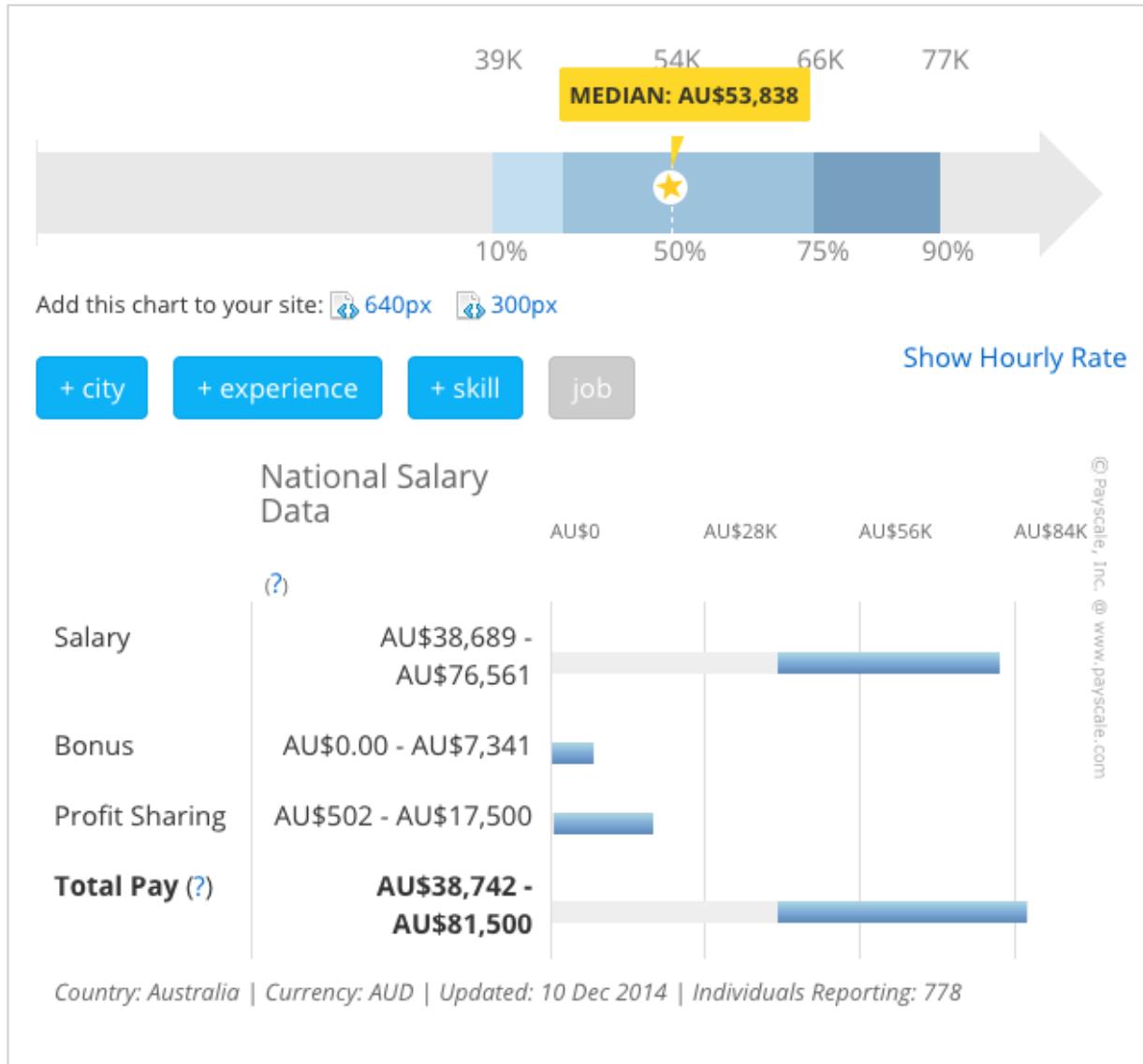
2,584 jobs matching your search criteria

Active filters: web developer × All Australia ×

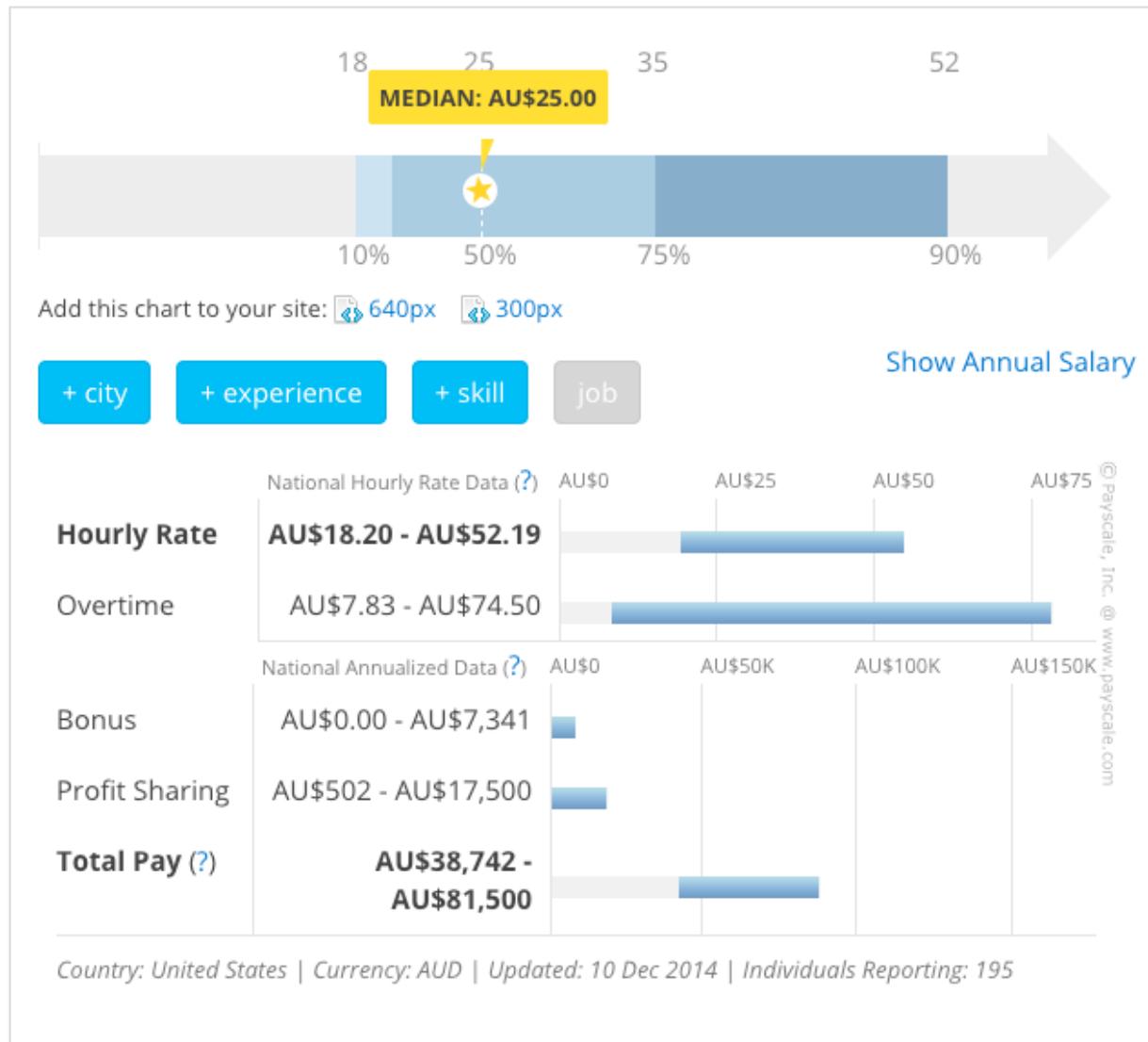
Job



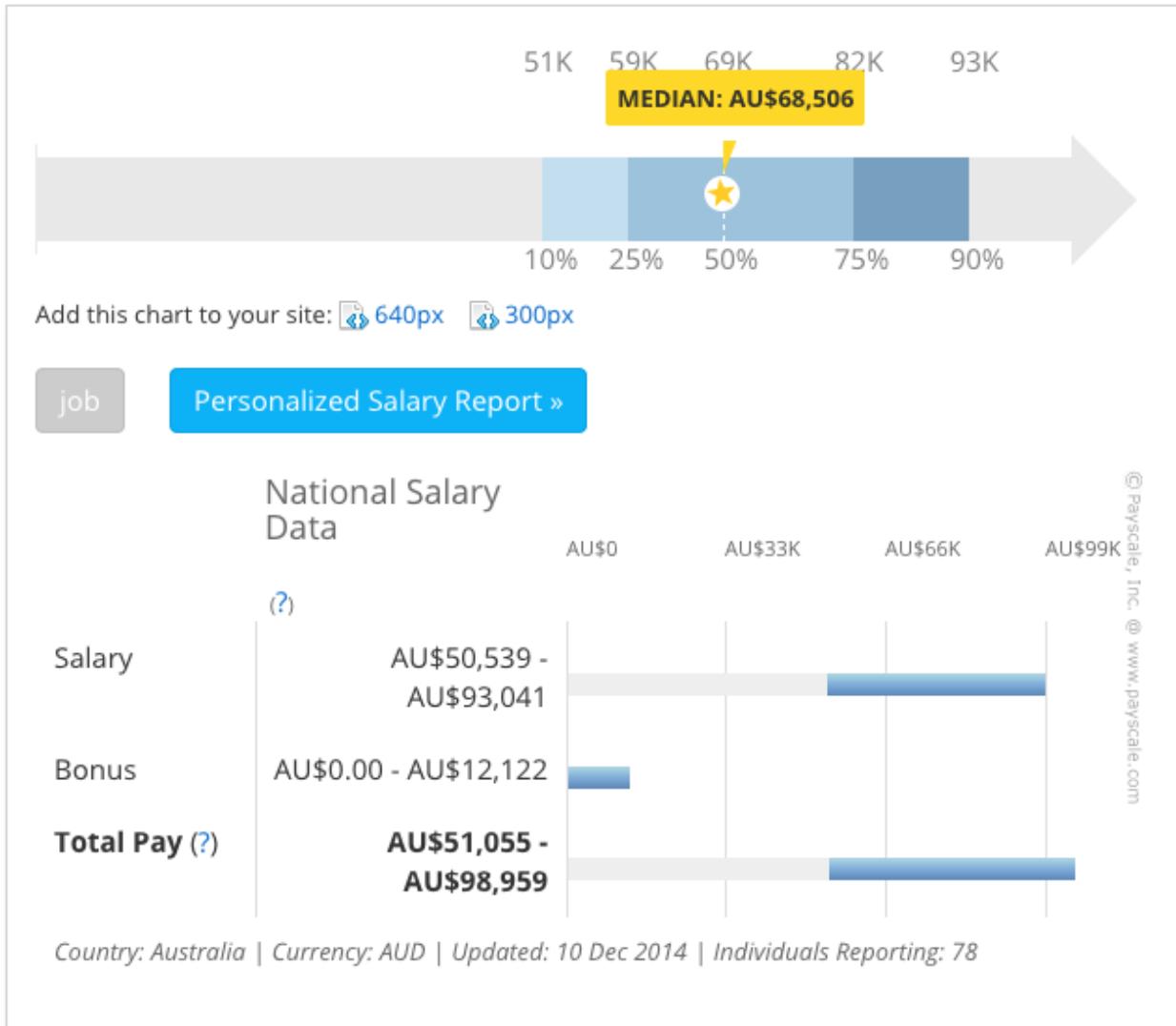
Money



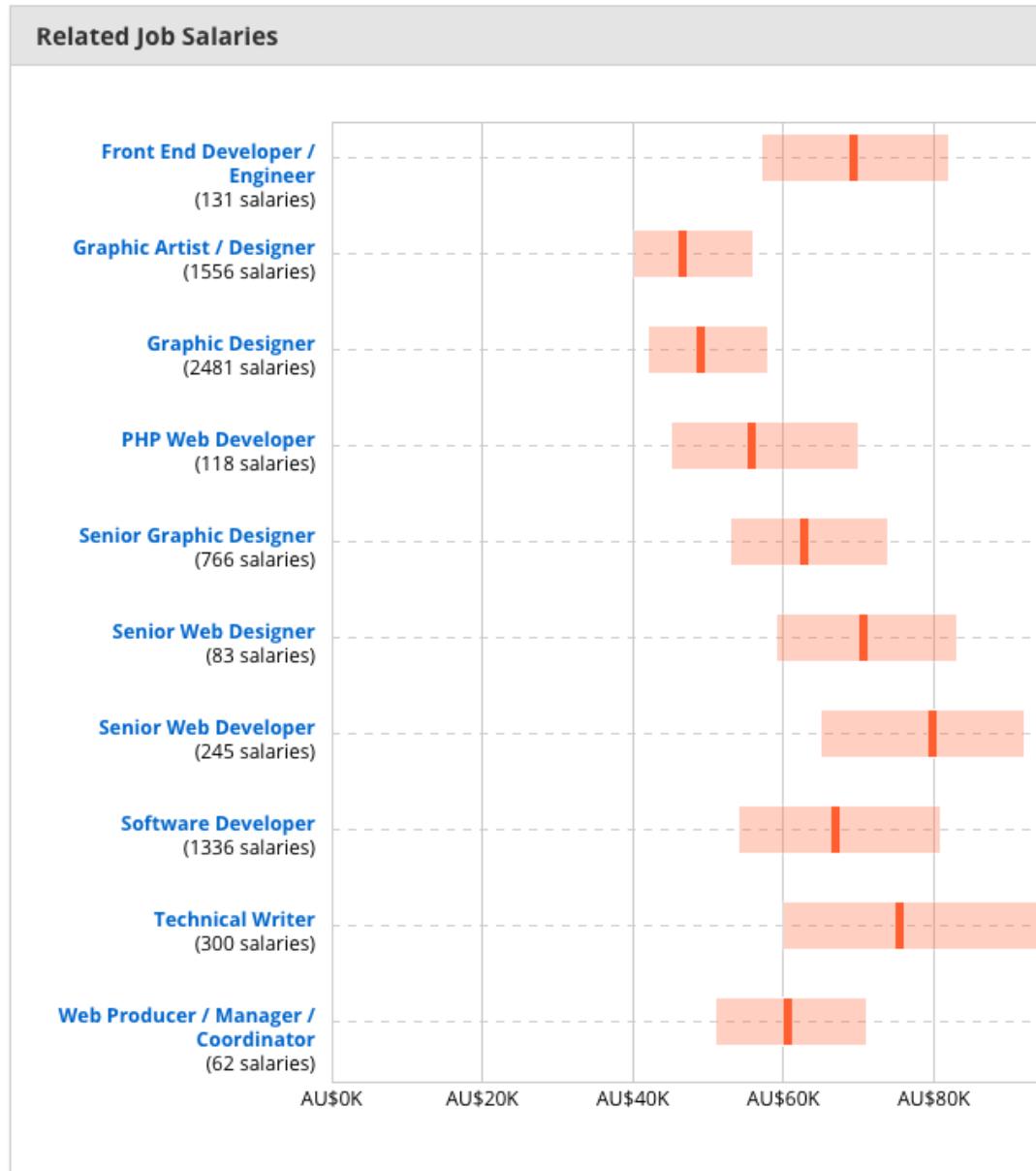
Money



Money



Money



How to learn?

Be Smart and Devoted

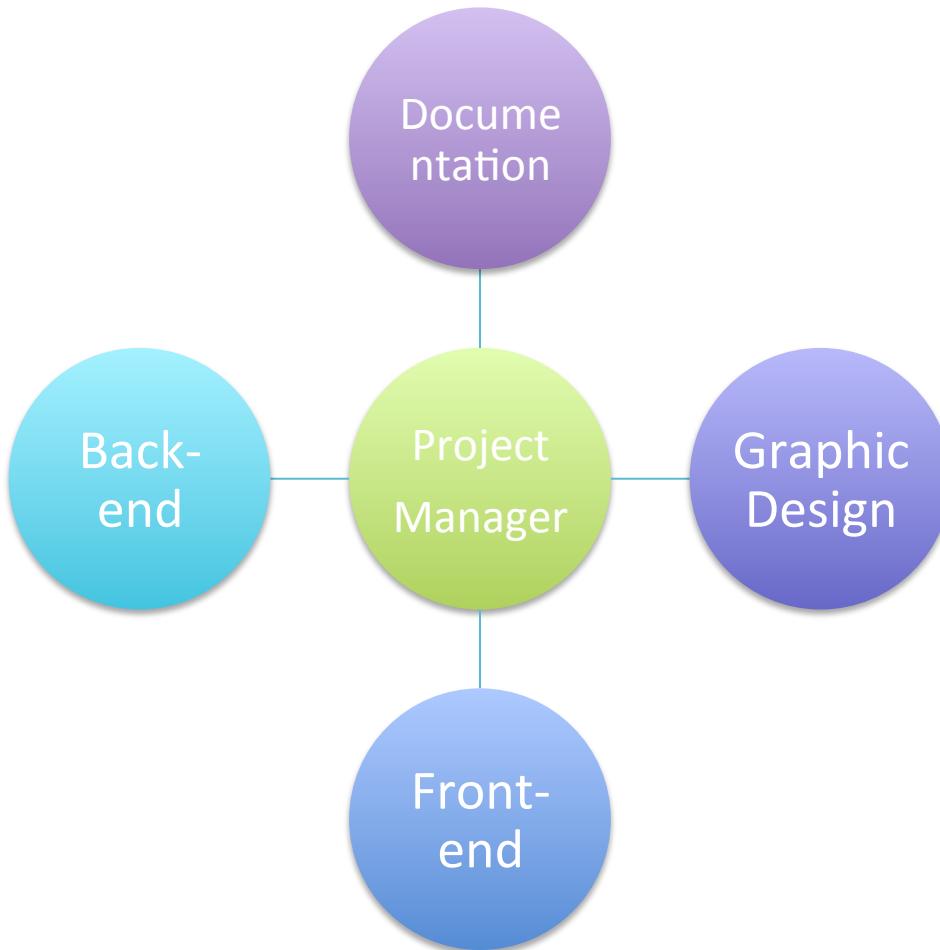
We will not take shortcut

This course will focus on fundamentals

We will cover every phase of web development

You should learn broadly and focus on your interest

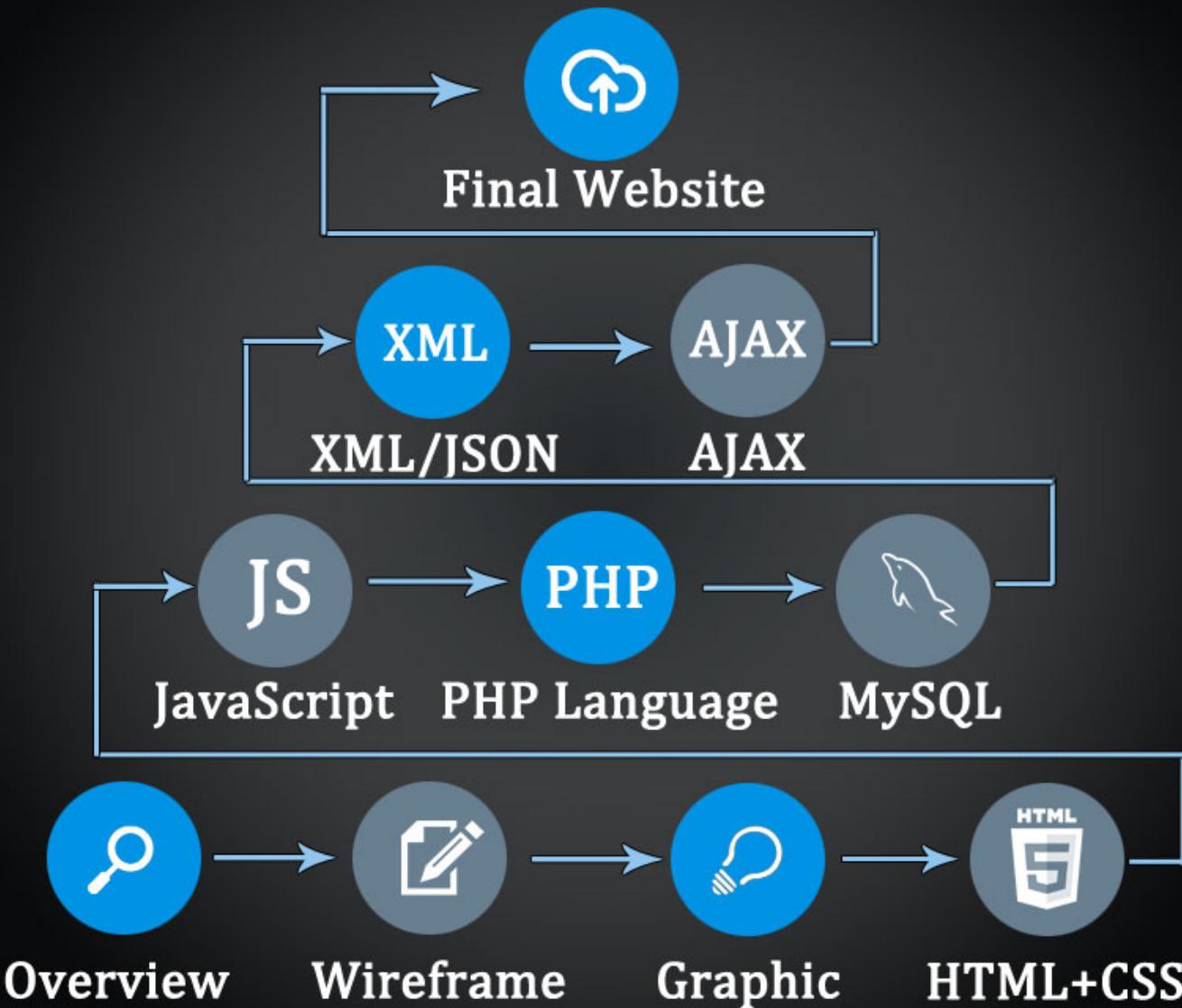
Work divisions



Skill requirements



Course Schedule



Develop Environment

LAMP

- ❖ Linux
- ❖ Apache
- ❖ MySQL
- ❖ PHP

WISA

- ❖ Windows
- ❖ IIS (Internet Information Server)
- ❖ SQL
- ❖ ASP

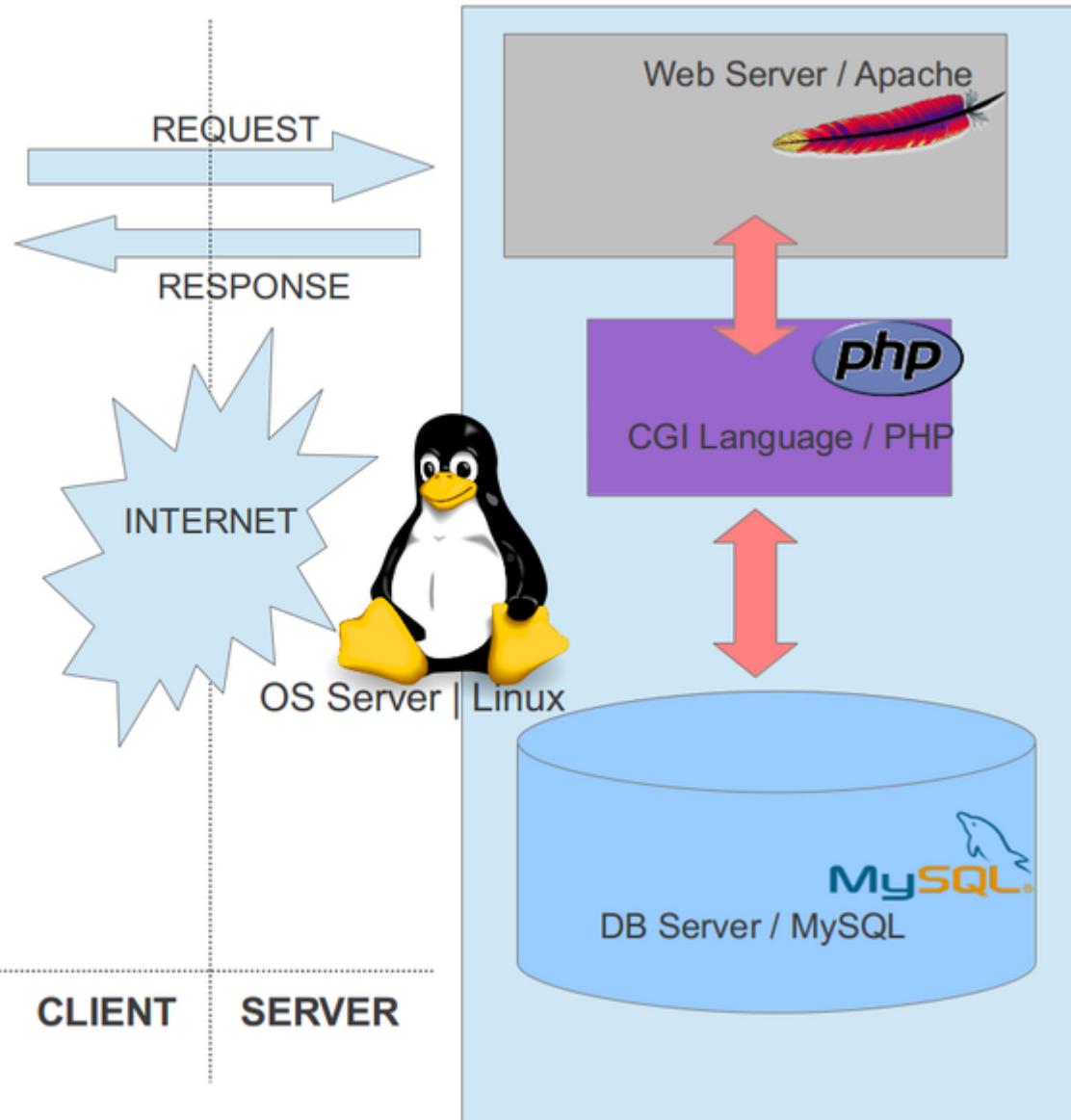
Develop Environment

Browser / Firefox



LAMP Architecture

- Linux - OS
- Apache - Web
- MySQL - DB
- PHP - Script



Develop Environment

MAMP



WAMP

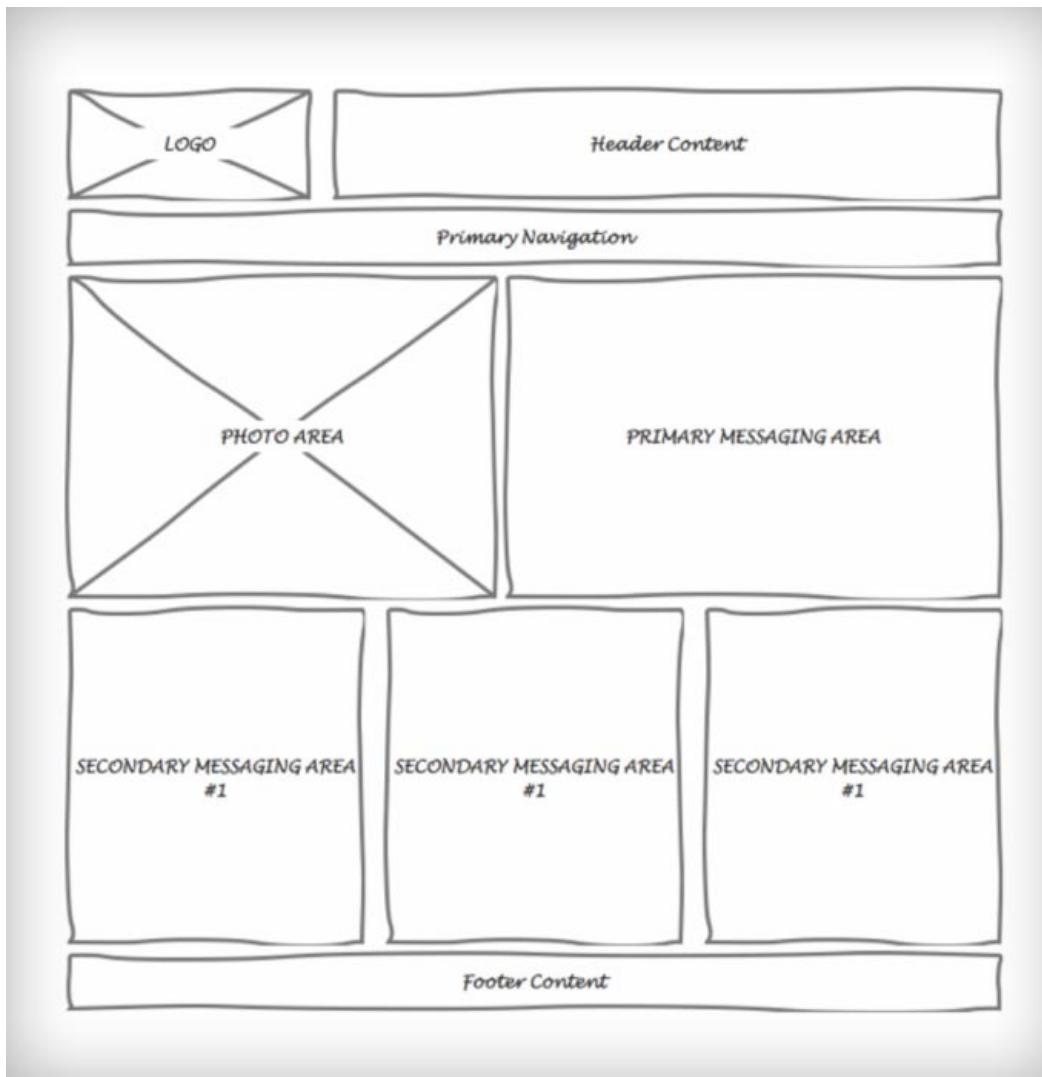


What would you learn?

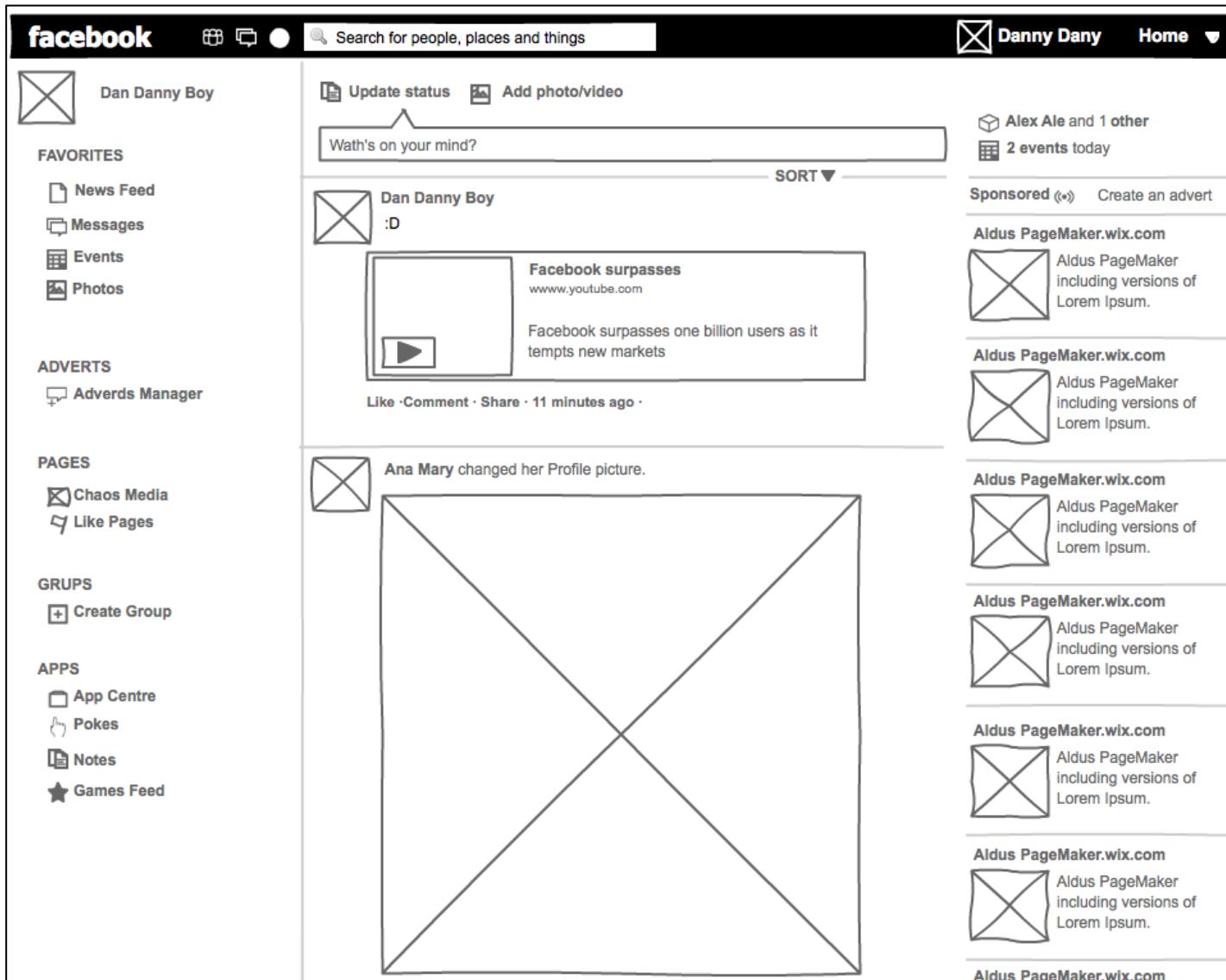
- ❖ You can know about every phase of web development
- ❖ You will build your own website
- ❖ You will finish all parts from UI, front-end, back-end to UX
- ❖ Knowledge about popular framework and CMS
- ❖ Capability to hunt web developing jobs

Wireframe

It can be a draft on paper to record your idea

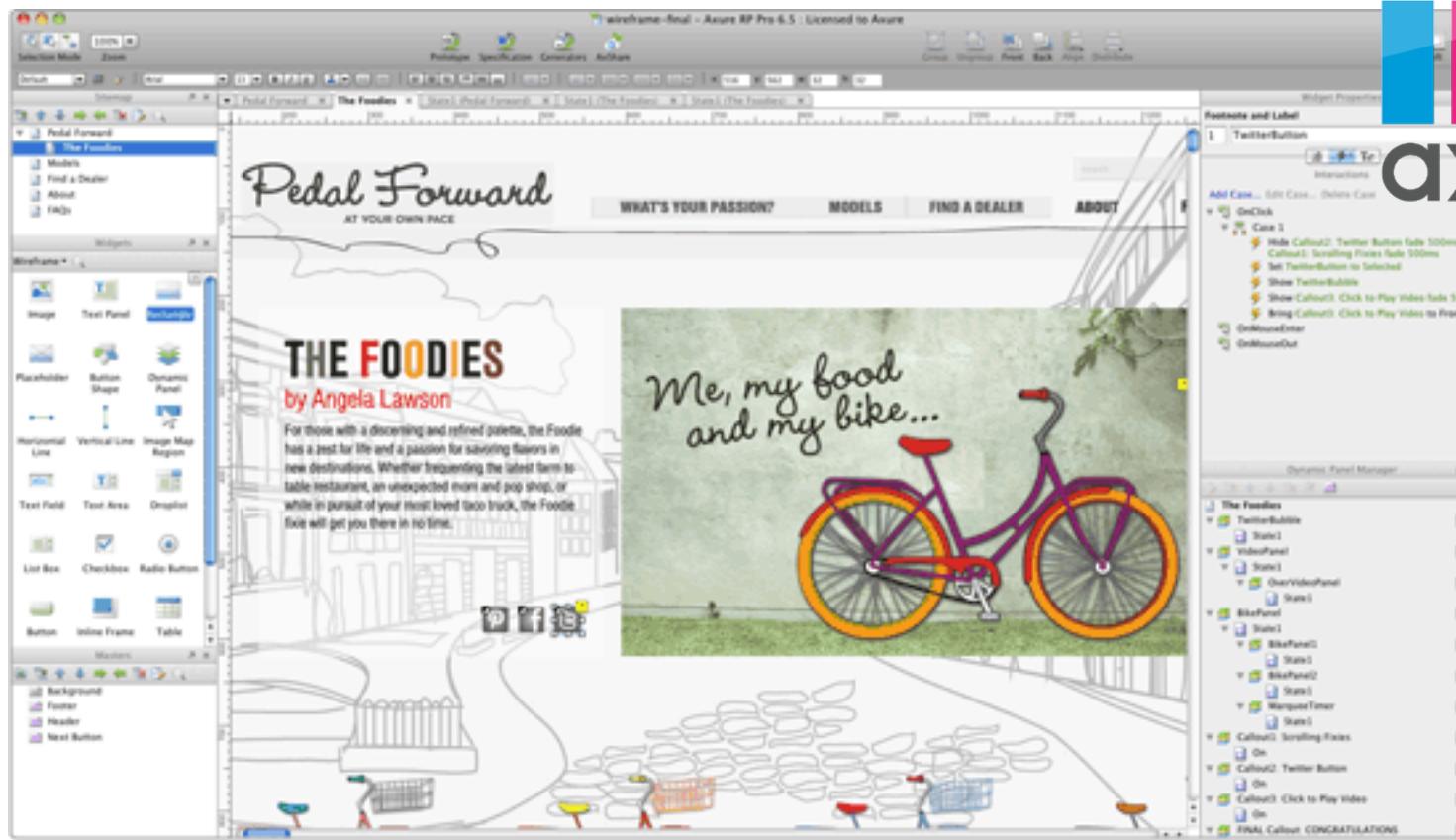


Wireframe



Wireframe

Or you can use certain software to make a more professional wireframe

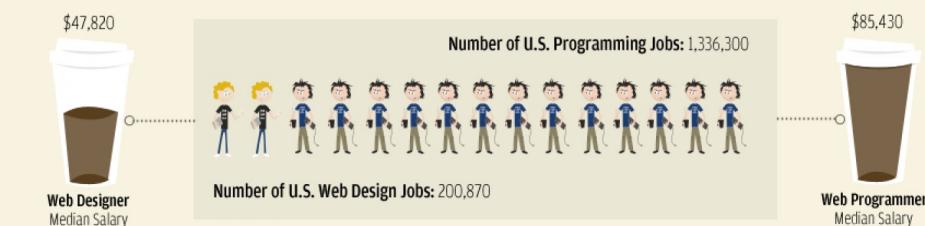
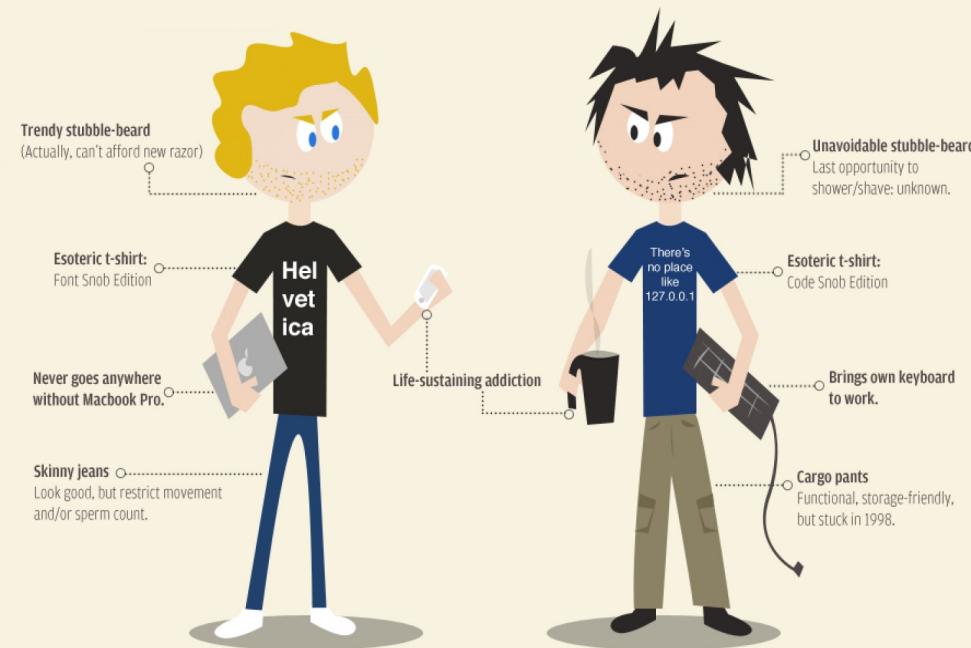


UI Design

We call this Web Designer not Web Developer.



WEB DESIGNERS VS WEB DEVELOPERS



What Web
Designers are
afraid of

Databases
P.C.s
Client revisions
Fixed-price billing
(versus hourly billing)
Perl

Women*

Server crashes
.EPS files
Bosses who don't code
Carpal Tunnel

What Web
Programmers are afraid of

UX Designer

VS

UI Designer

