

Lecture 8: Presentations

Alpha Demo, Presentations, PRDs, and Project Websites

Agenda

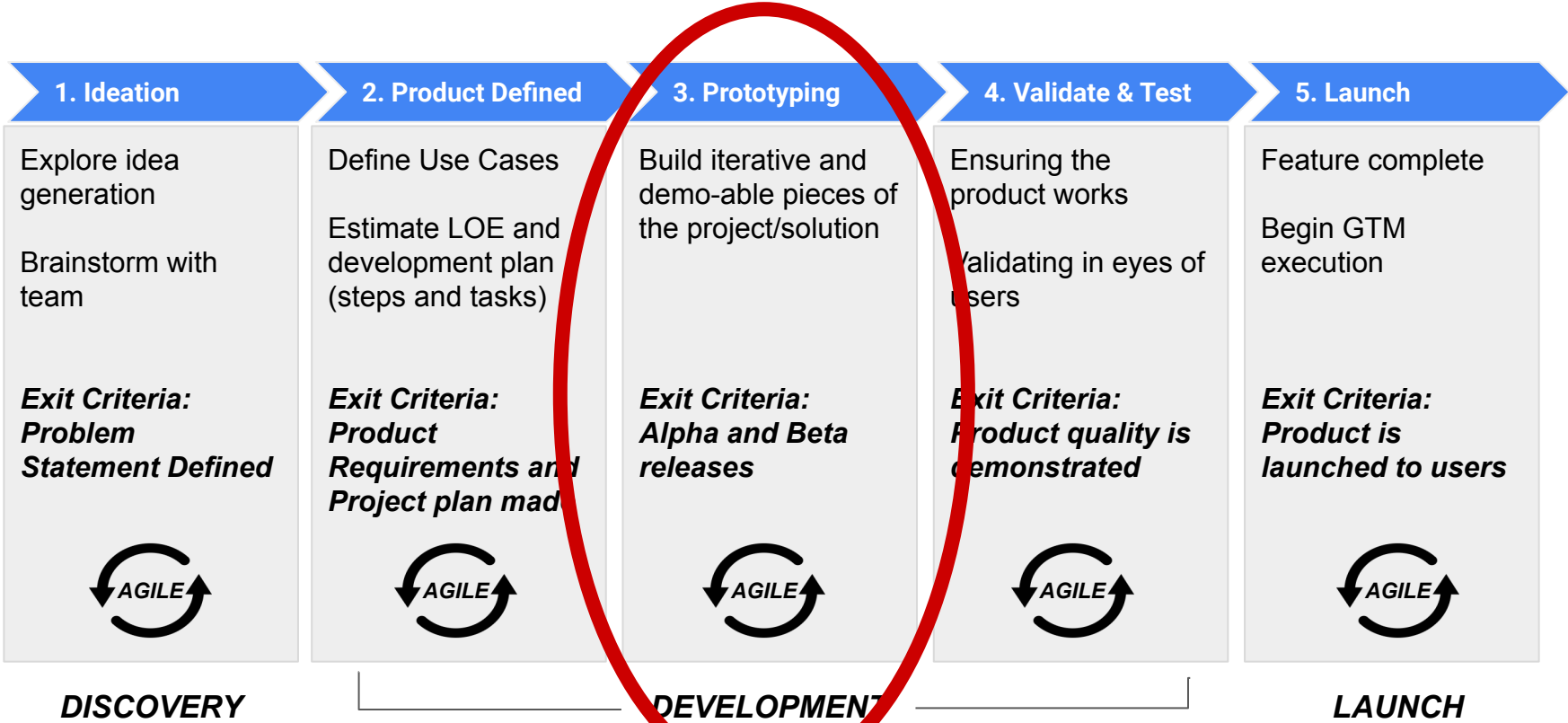
- Housekeeping
- Alpha Demo
- Presentations
- Architecture Design: Creating System Diagrams for Documentation and Presentations
- PRDs and Final Technical Design Document
- Project Websites

Housekeeping

Presentations

- Technical Presentation grades will be posted this week
- Be sure to add all presentations to your github repo - these will be included on your final website
- Alpha Demos are beginning of December
 - Alpha Demo Presentations will include screenshots or quick video demo
 - Formal demos will happen week of **Dec 5** and **Dec 12**. We will send out a form for teams to sign up for slots to meet with instructors to review Alpha demo and code

Product Definition Phase



Alpha Release

Alpha: First intact piece of code possible for demo

Eg.

- Database is storing data
- Algorithm (or subset of the logic) is running on mock data
- Application architecture (Mobile App, Web App, Hardware, etc) is set up and running
- Application frontend and backend transfer information back and forth
- First use case is working

Not expected:

- App is deployed to app store
- All use cases are met

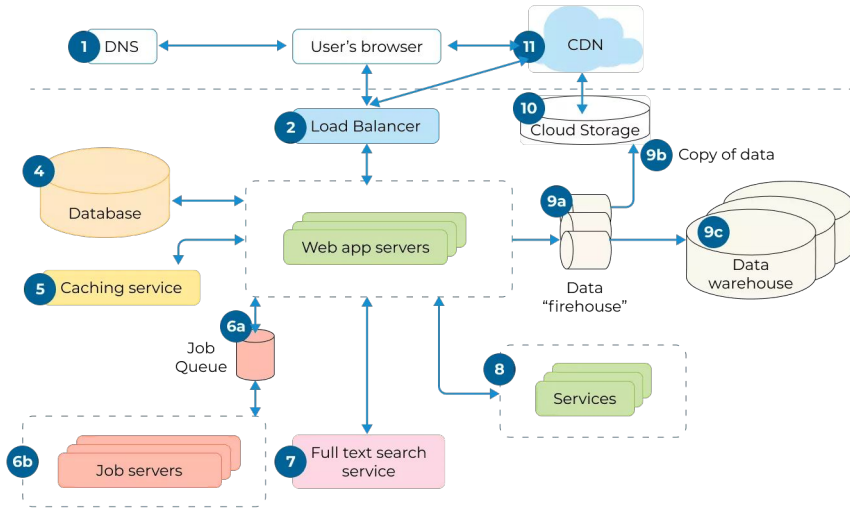
****Each team member must be able to show the work that they contributed to the Alpha***

Creating System Diagrams

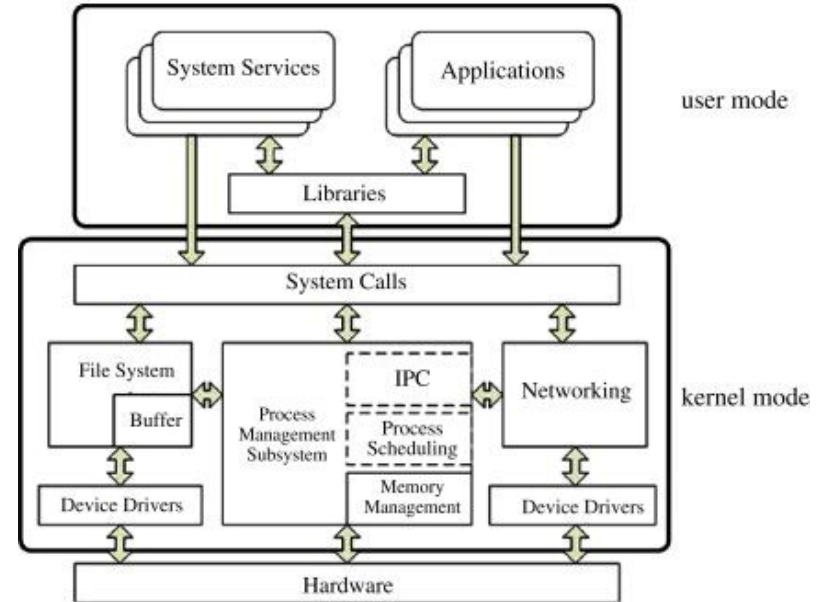
- Core pieces:
 - **Communication layers, Servers**
 - CDNs, Job queues, etc
 - **User facing endpoints**
 - Android or iOS Application, Chrome extension, Web app, etc
 - **Data Storage**
 - Cloud storage, Local DBs, etc
 - **Processes and Services**
 - External APIs, Algorithmic-driven Services, etc.

Architecture/System Design

- Diagrams

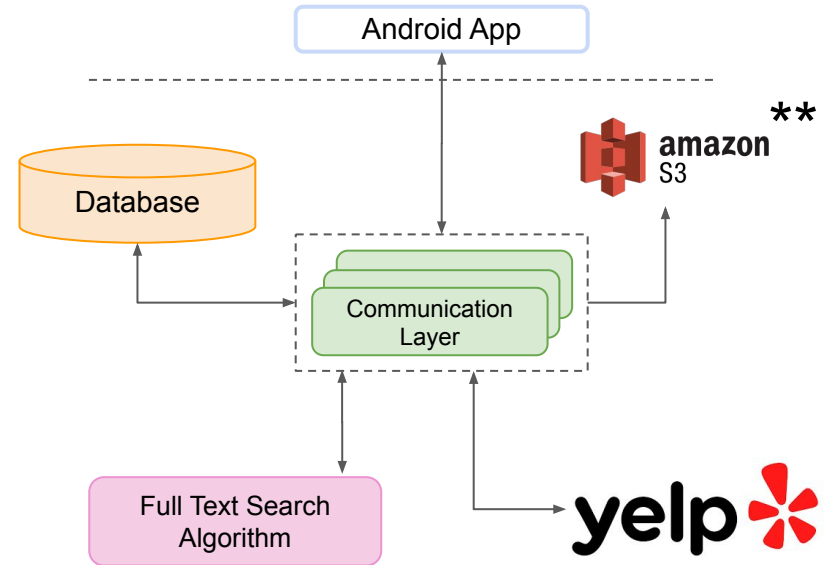
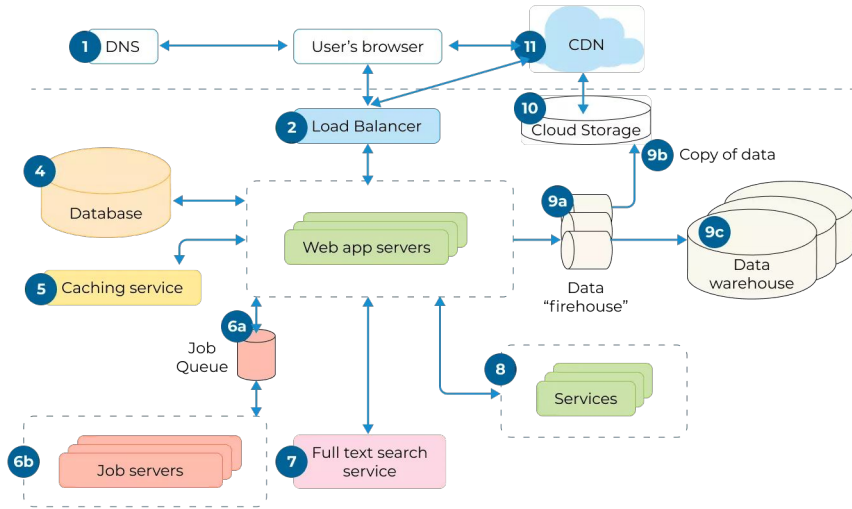


Web App Architecture



Linux Architecture

System Diagram - Documentation vs Presentation



****For presentations, logos of the systems can be eye-catching for tech savvy audiences.**

Presentation Goals

- Introduce the project to your audience
- Describe technical components and challenges
- Include a form of demo to illustrate your work

Presentation Template

INTRO

Problem to be solved

- Key Concepts from Writing 1

Users

- User Personas: 1-2 key users max

Impact

- How is this different from other apps?
- How will this project change users' lives?

TECH

Implementation

- Technical Designs: Diagrams, Algorithms, APIs, etc.
- If using Diagram, use a shortened version with the fewest components max
(No more than 5 is recommended)

DEMO

User Experience

- Recorded demo or screenshots

Presentations - Written Word vs Graphics

Users



Users



Captures the
Moment

Edits the Shots

Users

Photographer: Takes pictures and uploads to the site

Photo Editor: Uses application to edit all the photos taken by the photographer

Example PRDs

Industry Standard Product Tools and their PRD Templates

[Confluence PRD Template](#)

Confluence: Web-based corporate wiki for documentation creation, collaboration, and organization

[Coda PRD Template](#)

Coda: All-in-one doc creation and sharing web app. Lower complexity and maturity than Confluence

[Aha PRD Template](#)

Aha: Product development software for roadmaps and planning

[Product School PRD Template](#)

Product School: Silicon Valley based product management training and certification programs

Product Requirements Document

(Pre-work to Development)

Section 1: Proposal

Section 2: Specs

Section 3: Considerations, Constraints, Dependencies

Section 4: Open Questions

Product Requirements Document

Section 1: Proposal ...

Executive Summary - Writing 1 

Section 2: Specs...

Technical Summary - Writing 2 

Gantt Chart 

Product Specifications - Writing 3 **(Due Nov 20)**

Technical Specifications - Writing 3 **(Due Nov 20)**

“Putting it all together” ... Technical Design Document **(Due Dec 14)**

Technical Design Document

(our version of Product Requirements Doc)

Section 1: Proposal...

Single Executive Summary

Section 2: Specs...

Product Specifications

Technical Specifications

Section 3: Social Impact

Section 4: Alpha Demo...

Link to code

Screenshots/Video of Alpha Demo

Project Website

Purpose: Store all your project details in one place

Examples:

<https://gw-cs-sd.github.io/sd-18-peoplemove/>

<https://gw-cs-sd.github.io/sd-18-hunter2/>

<https://gw-cs-sd.github.io/sd-18-eco-furniture/>