UI/UX Component Design

Customer v/s Consumer = Loyalty v/s Experience What Constitutes an Experience?

- => For the consumer
- \Rightarrow For the provider

Are these Related?

Sites or Apps?

Documents: Content Centric Applications: Behavior Centric

Web sites

Web Apps

Progressive Enhancements v/s Graceful Degradation Is responsiveness the same?
Is everything an app?

Component Design

Key drivers

Modularity - Independent **Evolution**

Testability - Independently Testable

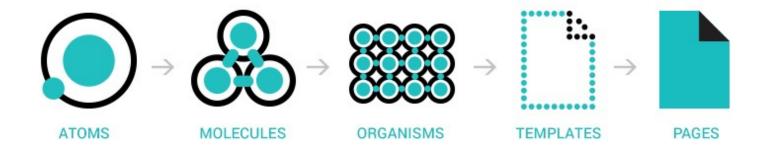
Reusability – Reusable across applications

Responsibility – Single Responsible Principle

Gather together those things that change for the same reason. Separate those things that change for different reasons

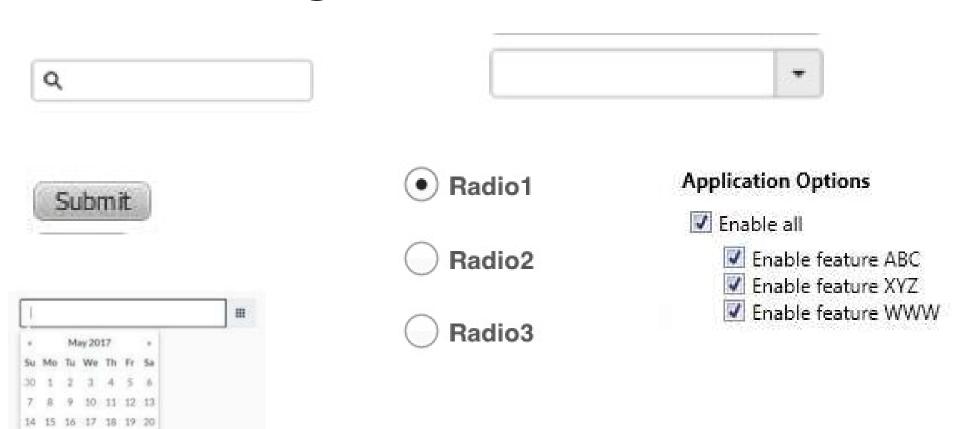
Contentious issues: coupling, orchestration

Atomic Design



Atomic Design: Atom

21 22 23 24 25 26 27 28 29 30 31 1 2 3



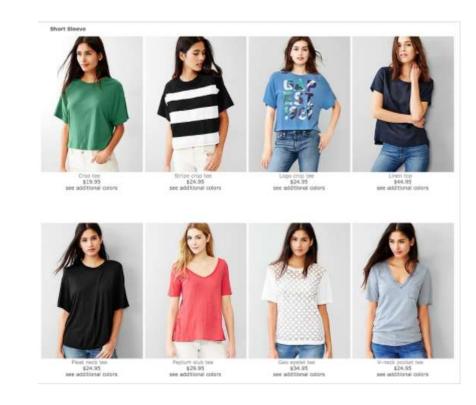
Atomic Design: Molecules



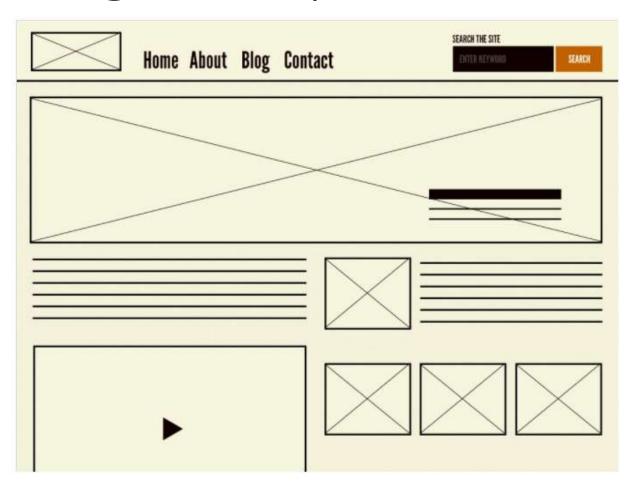


Atomic Design: Organism





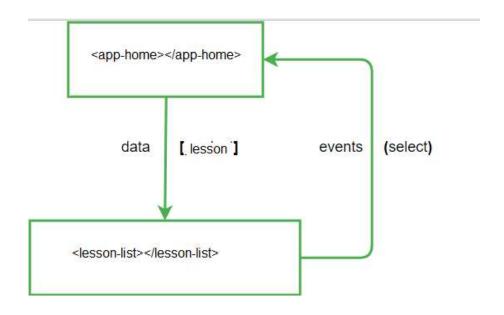
Atomic Design: Template



Smart Components vs Presentational Components

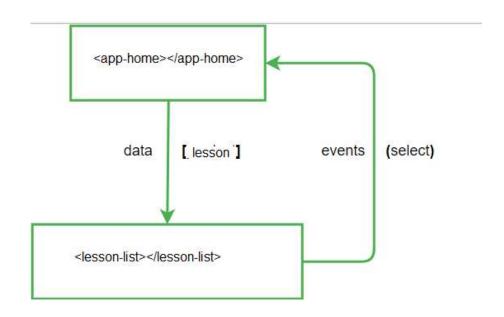
Would this presentation logic be useful elsewhere in the application? Would it be useful to split things up further? Are we creating unintended tight couplings in the application?

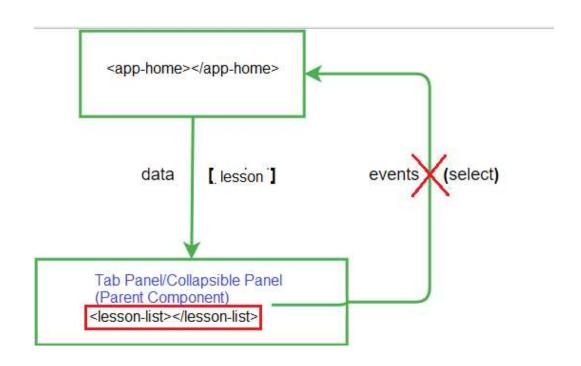
```
@Component({
selector: 'app-home',
 template:
 <h2>All Lessons</h2>
 <h4>Total Lessons: {{lessons?.length}}</h4>
 <div class="lessons-list-container v-h-center-block-parent">
    {{lesson.description}} 
      <i class="md-icon duration-icon">access_time</i>
        <span>{{lesson.duration}}</span>
      </div>
styleUrls: ['./home.component.css']
export class HomeComponent implements OnInit {
 lessons: Lesson[];
constructor(private lessonsService: LessonsService) {
 ngOnInit() {
  this.lessonsService.findAllLessons()
    .do(console.log)
    .subscribe(
     lessons => this.allLessons = lessons
selectLesson(lesson) {
```

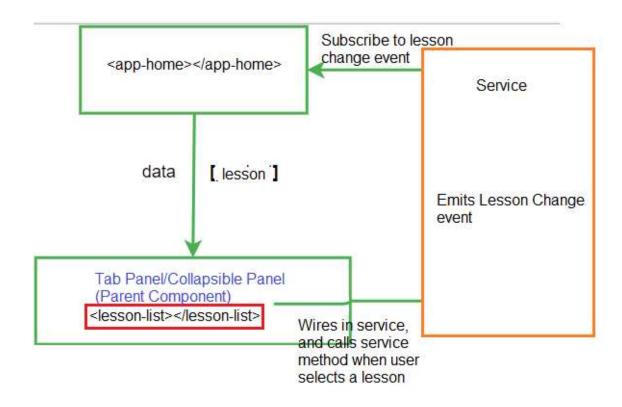


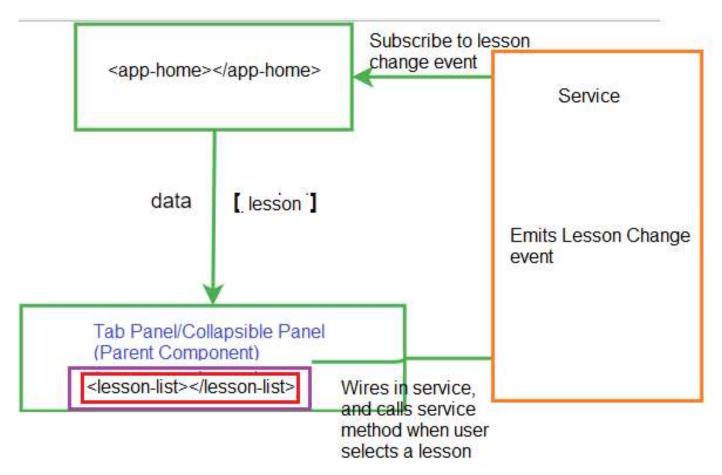
import {Component, Onlnit, Input, EventEmitter, Output} from '@angular/core'; import {Lesson} from "../shared/model/lesson";

```
@Component({
selector: 'lessons-list',
template: `
   {{lesson.description}} 
     <i class="md-icon duration-icon">access time</i>
      <span>{{lesson.duration}}</span>
     styleUrls: ['./lessons-list.component.css']
export class LessonsListComponent {
@Input()
lessons: Lesson[];
@Output('lesson')
lessonEmitter = new EventEmitter<Lesson>();
 selectLesson(lesson:Lesson) {
  this.lessonEmitter.emit(lesson);
```









Contact Me

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