WEB PRODUCTION

Lecture 3

TODAY'S TOPICS

- Methods

- Computed Properties

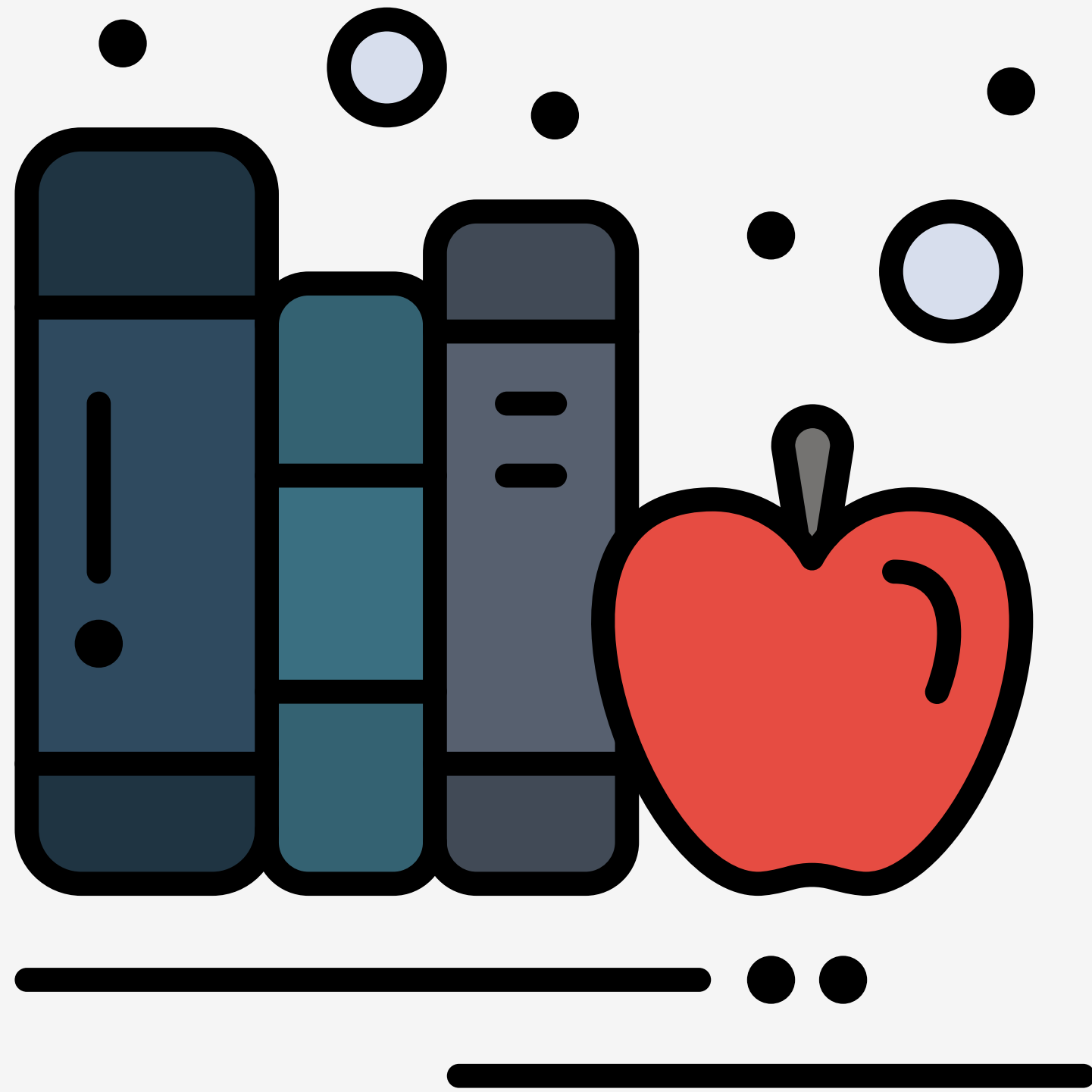- More Directives

- **Exercise:** Scramble

ANNOUNCEMENTS

- Sign-in Sheet

- Recording

- Course Content

- Assignment Due Dates

QUESTIONS

HANDLING USER INPUT

V-ON

- Attaches an event listener to an element

- Will execute an expression or invoke a vue method

V-ON DIRECTIVE

```html
<div id="app">
  <button v-on:click="response = 'Who\'s There'">
    Knock
  </button>
  <div v-if="response">{{ response }}</div>
</div>
```

```js
const app = new Vue({
  el: '#app',
  data: {
    response: ''
  }
})
```

V-ON DIRECTIVE

```html
<div id="app">
  <button v-on:click="knock">Knock</button>
  <div v-if="response">{{ response }}</div>
</div>
```

```javascript
const app = new Vue({
  el: '#app',
  data: {
    response: ''
  },
  methods: {
    knock: function () {
      this.response = "Who's there?"
    }
  }
})
```

V-MODEL

- Creates a two-way data bind with an form input, textarea, or select box

- The data property can be updated from either end and the other will also be updated

V-MODEL DIRECTIVE

```html
<div id="app">
  {{ message }}
  <input type="text" v-model="message">
</div>
```

```javascript
const app = new Vue({
  el: '#app',
  data: {
    message: 'Type a message'
  }
})
```

V-MODEL DIRECTIVE

```html
<div id="app">
  {{ message }}
  <input type="text" v-model="message">
</div>
```

```javascript
const app = new Vue({
  el: '#app',
  data: {
    message: 'Type a message'
  },
  methods: {
    clearMessage: function () {
      this.message = ''
    }
  }
})
```

COMPUTED PROPERTIES

COMPUTED PROPERTIES

- Are methods that act like properties

- Cached

- Refresh when dependencies are updated

COMPUTED PROPERTIES

```html
<div id="app">
  <h1>Messages</h1>
  <div v-for="message in messages">
    {{ message }}
  </div>
</div>
```

```js
const app = new Vue({
  el: '#app',
  data: {
    messages: [...]
  }
})
```

COMPUTED PROPERTIES

```html
<div id="app">
  <h1>Recent Messages</h1>
  <div v-for="message in recentMessages">
    {{ message }}
  </div>
</div>
```
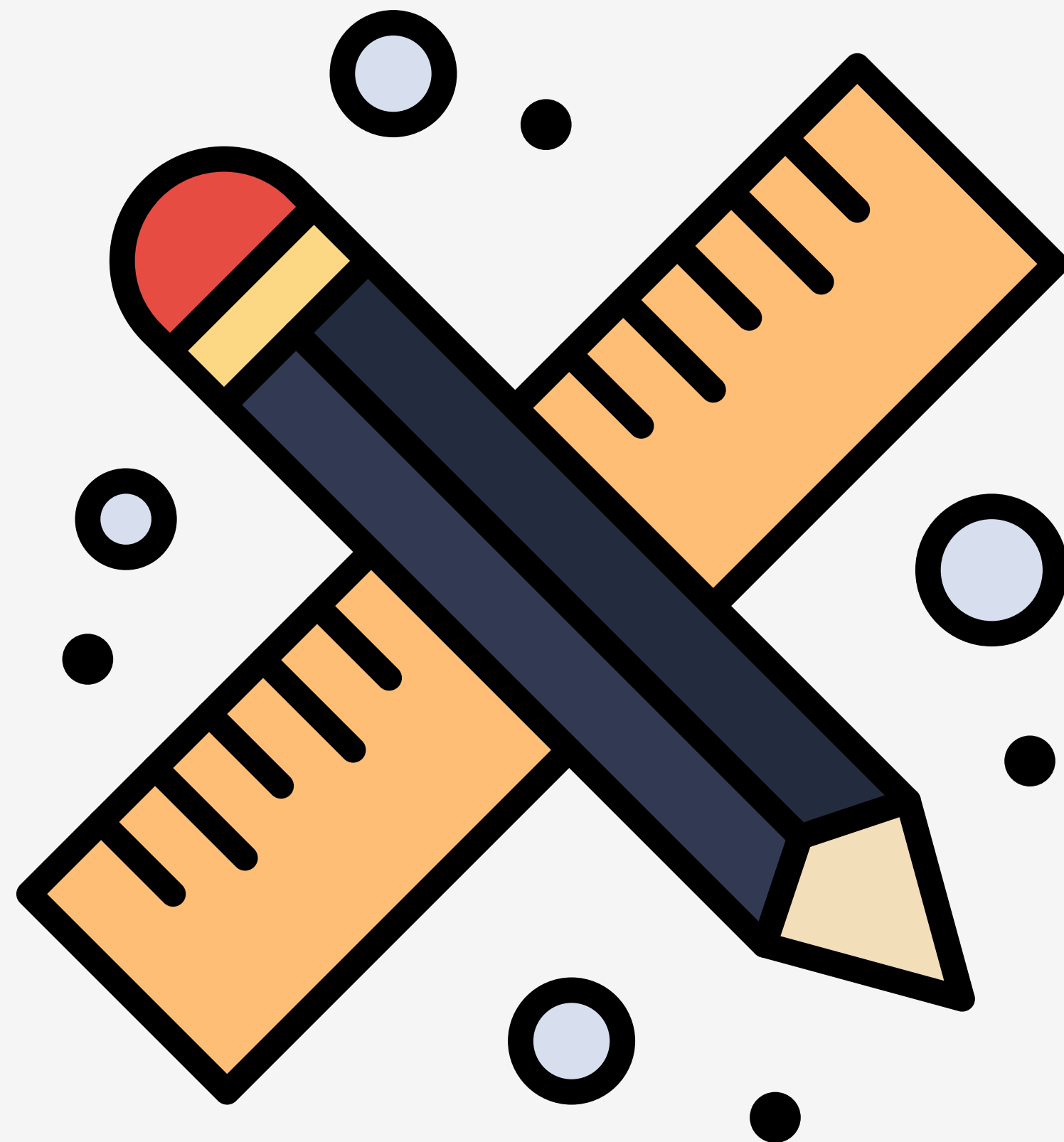
```javascript
const app = new Vue({
  el: '#app',
  data: {
    messages: [...]
  },
  computed: {
    recentMessages: function () {
      return this.messages.slice(0, 5)
    }
  }
})
```
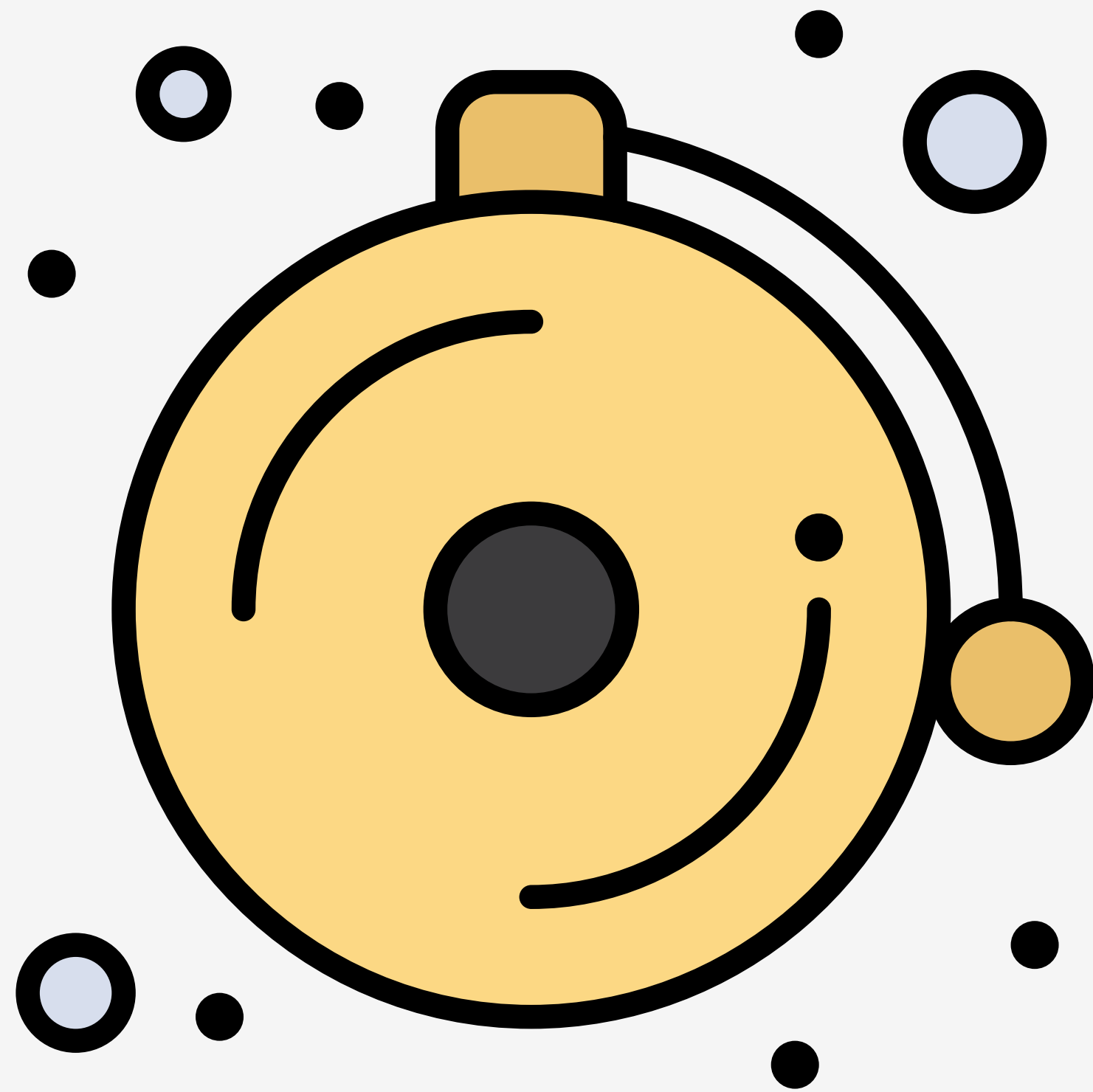
HANDS-ON

SCRAMBLE

- *GITHUB CLASSROOM ASSIGNMENT*

- Create a web-based version of Scramble

- Display scrambled word and let the player guess the word

- Track and display of points, strikes and passes

- Submit the URL to your repository

- *DUE:* Mon. Jan. 27 @ 11:59 PM

NEXT TIME...

- Vue Components

- **Participation:** A Component Lab (?)

- **Exercise:** Grocery List (?)