Lightning web component

LWC - Modern Web Stack

Specialized services **Data services** **UI components**	Frameworks
Web Components **Templates** **Custom elements** **Shadow DOM** **Modules** **ECMAScript 7** **Events** **Standard Elements** **Rendering**	Web Standards

UI Framework
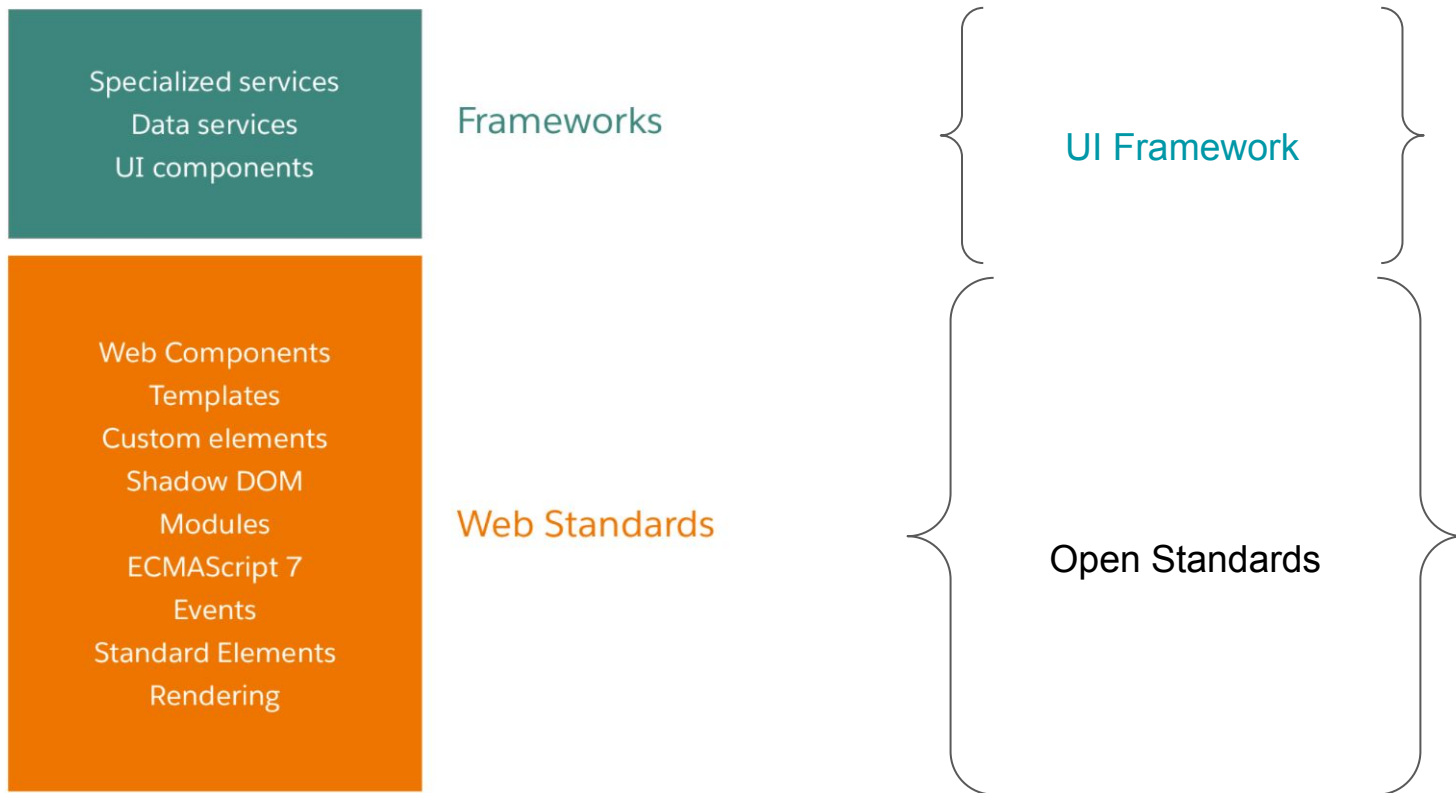
Open Standards

More standards, less frameworks

LWC - New Programming Model

Security
Lightning Data Service
Base Lightning Components

Lightning
Web Components

Salesforce

Web Components
Templates
Custom elements
Shadow DOM
Modules
ECMAScript 7
Events
Standard Elements
Rendering

Web Standards

Open Standards
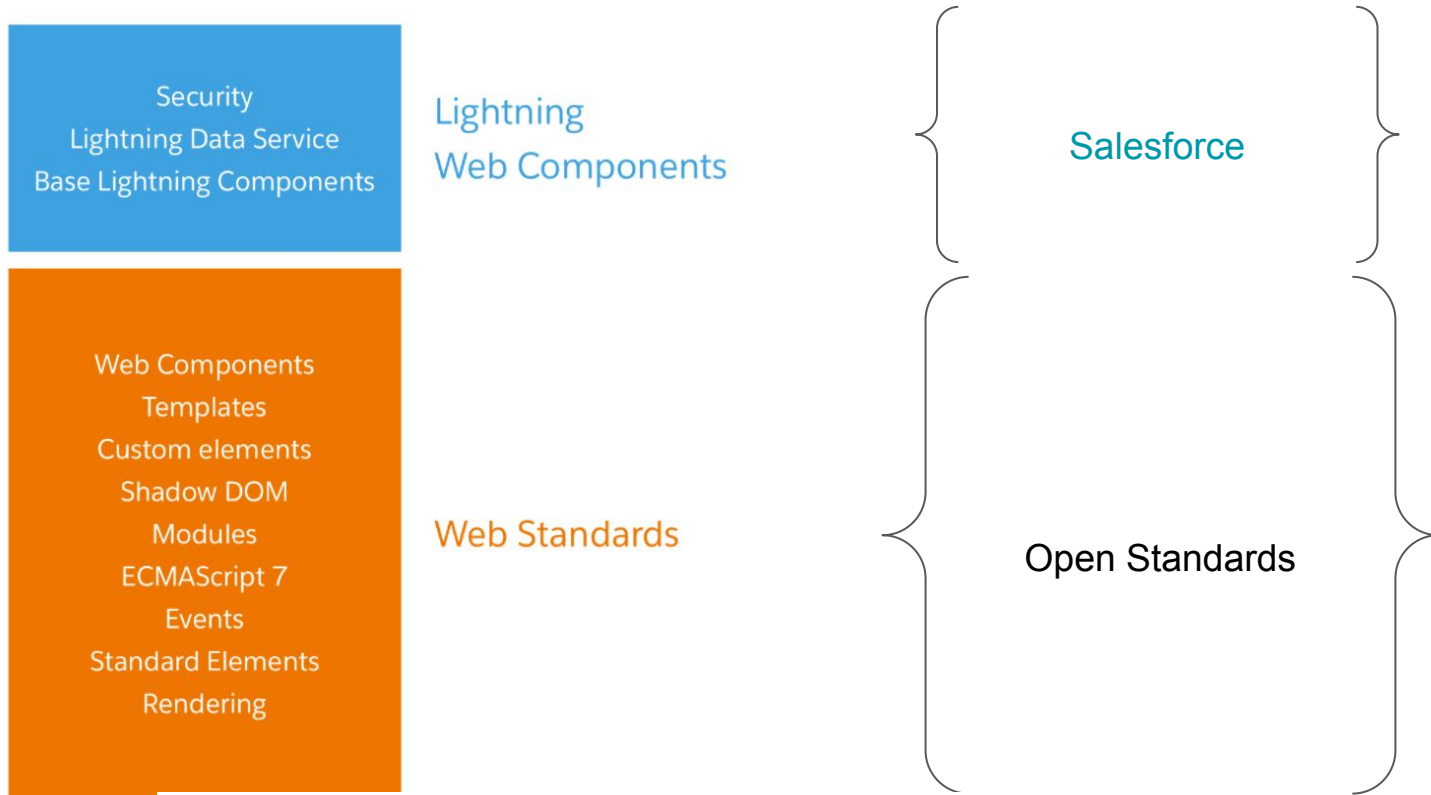
Introducing Lightning Web Components

Increased performance & productivity

contactForm.js

```
import { LightningElement, api, track } from 'lwc';

export default class ContactForm extends LightningElement {

    @api recordId;
    @api objectApiName;
    @track fields = ['Name', 'Title', 'Phone', 'Email'];

}
```

contactForm.html

```
<template>

    <lightning-card title="Contact" icon-name="standard:contact">

        <lightning-record-form object-api-name={objectApiName} record-id={recordId}
                                fields={fields}></lightning-record-form>

    </lightning-card>

</template>
```
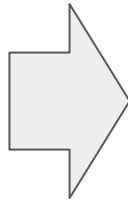
The result:

Useful links for development

- Component library:
  - https://developer.salesforce.com/docs/component-library/overview/components
- LWC Recipes
  - https://recipes.lwc.dev/
- Online playground
  - https://webcomponents.dev/create/lwc

For Further Reading

- [Trailhead Project: Quick Start with Lightning Web Components](#)
- [Lightning Web Components Recipes: a collection of easy-to-digest code examples](#)
- [Ebikes: new Lightning Web Components sample application](#)
- [Lightning Web Components Sample Gallery](#)
- [Lightning Web Components version of the Dreamhouse sample app](#)
- [Lightning Web Components Developer Guide](#)