



## 2. Javascript va uning versiyalari

### Reja:

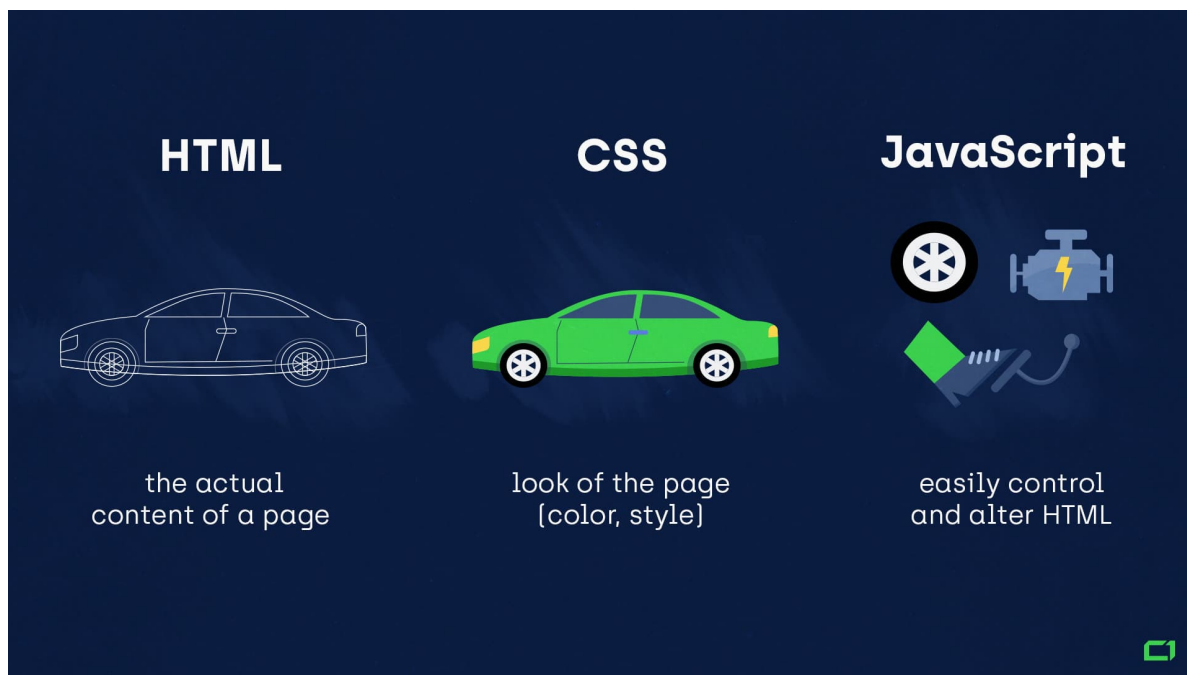
#### ▼ Javascript haqida



Javascript - web uchun maxsus yuqori darajadagi (high-level) dasturlash tili. Uning yordamida HTML va CSS'ni dinamik darzda o'zgartirish imkoniyati mavjud.

### Hayotiy o'xshatish

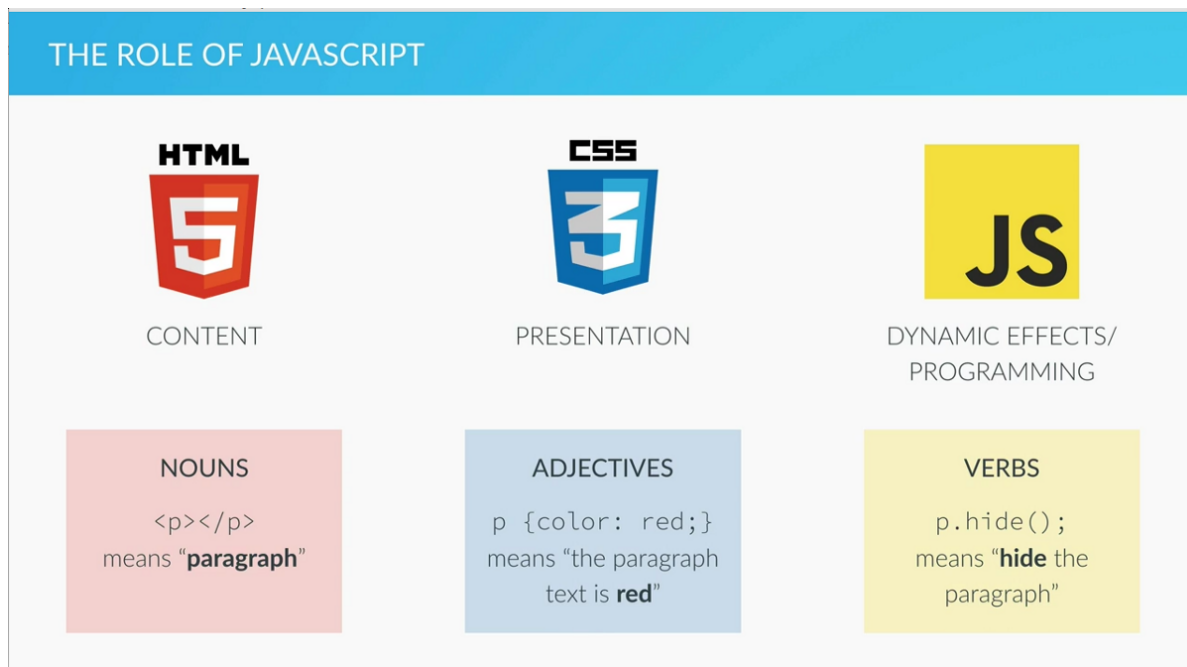
#### Avtomobilga o'xshatish





Web asoslarini kundalik ishlatadigan tilimizga o'xshatadigan bo'lsak, HTML - ot (noun), CSS - sifat (adjective), Javascript esa fe'l (verb) va'zifasini bajaradi.

### Kundalik ishlatadigan tilga o'xshatish



#### JavaScript | MDN

JavaScript (JS) is a lightweight, interpreted, or just-in-time compiled programming language with first-class functions. While it is most well-known as the scripting language for Web

 <https://developer.mozilla.org/en-US/docs/Web/JavaScript>



MDN Web Docs  
moz://a

### ▼ Amaliyotda qo'llanilishi

- **Frontend development** - Javascript yordamida veb sahifaga dinamik ko'rinishda qo'shimchalar qo'shish, masalan matn va kontentni o'zgartirish, rasmlarni o'lchovini o'zgartirish va h.k. Undan tashqari JS freymvorklar yordamida veb sayt ishlab chiqish jarayonini ancha tez va oson amalga oshirish imkoniyati mavjud

- **Backend development** - JS'ga asoslangan NodeJS texnologiyasi orqali backend ya'ni server-side dasturlashni amalga oshirish imkoniyati mavjud
- **Mobile application development** - ReactNative va shunga o'xshash texnologiyalar orqali Hybrid ko'rinishda mobil ilovalar yaratish imkoniyati mavjud
- **Game development** - Online o'yinlar yaratishda Javascript ham faol tarzda ishlatiladi

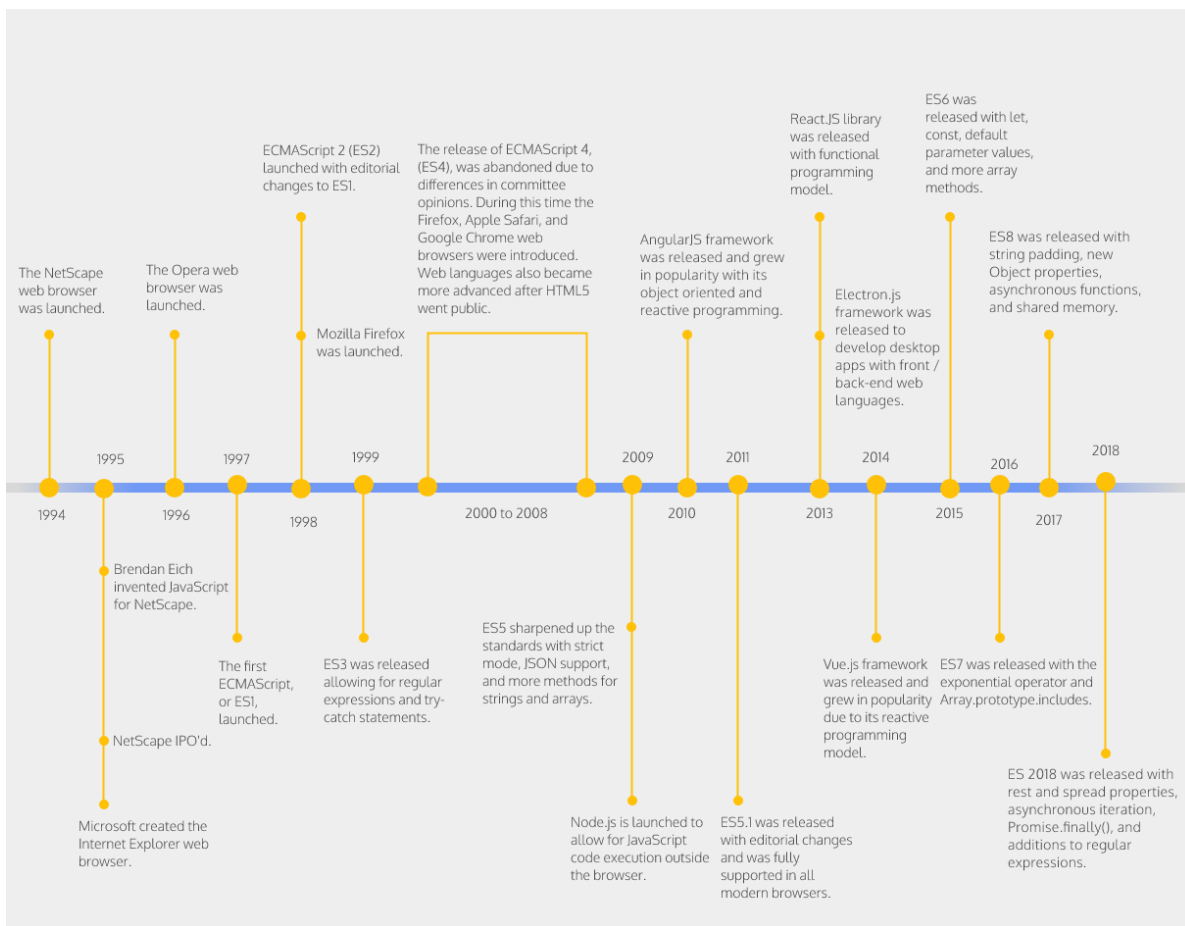
#### ▼ Javascript versiyalari

##### Javascript vs ECMAScript



Javascript - umumiy maqsadga yo'naltirilgan scripting til bo'lib, ECMAScript tomonidan belgilangan spetsifikatsiyalarga javob beradi. Boshqacha qilib aytganda, ECMAScript scripting til uchun reja (blueprint, standard) bo'lsa, Javascript esa bu standard'ning amalga oshirilishidir.

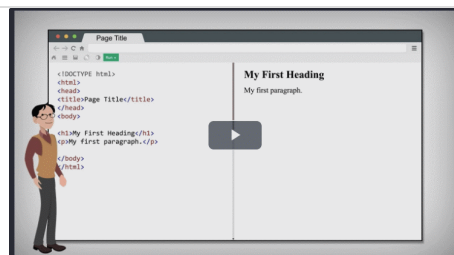
Javascript versiyalari (infografika)



## JavaScript Versions

Well organized and easy to understand Web building tutorials with lots of examples of how to use HTML, CSS, JavaScript, SQL, Python, PHP, Bootstrap, Java, XML and more.

 [https://www.w3schools.com/js/js\\_versions.asp](https://www.w3schools.com/js/js_versions.asp)



## Javascript ≠ Java

**!** Javascript Netspace'ning Java appletlarini qo'llab quvvatlashidan kelib chiqqan. Ko'plar bu nomlashni marketing yurish deb ham atashadi va shu orqali o'sha davrda juda mashxur bo'lgan Java dasturlash tilidan foydalanib, e'tibor tortishga urinishgan deb aytiladi.