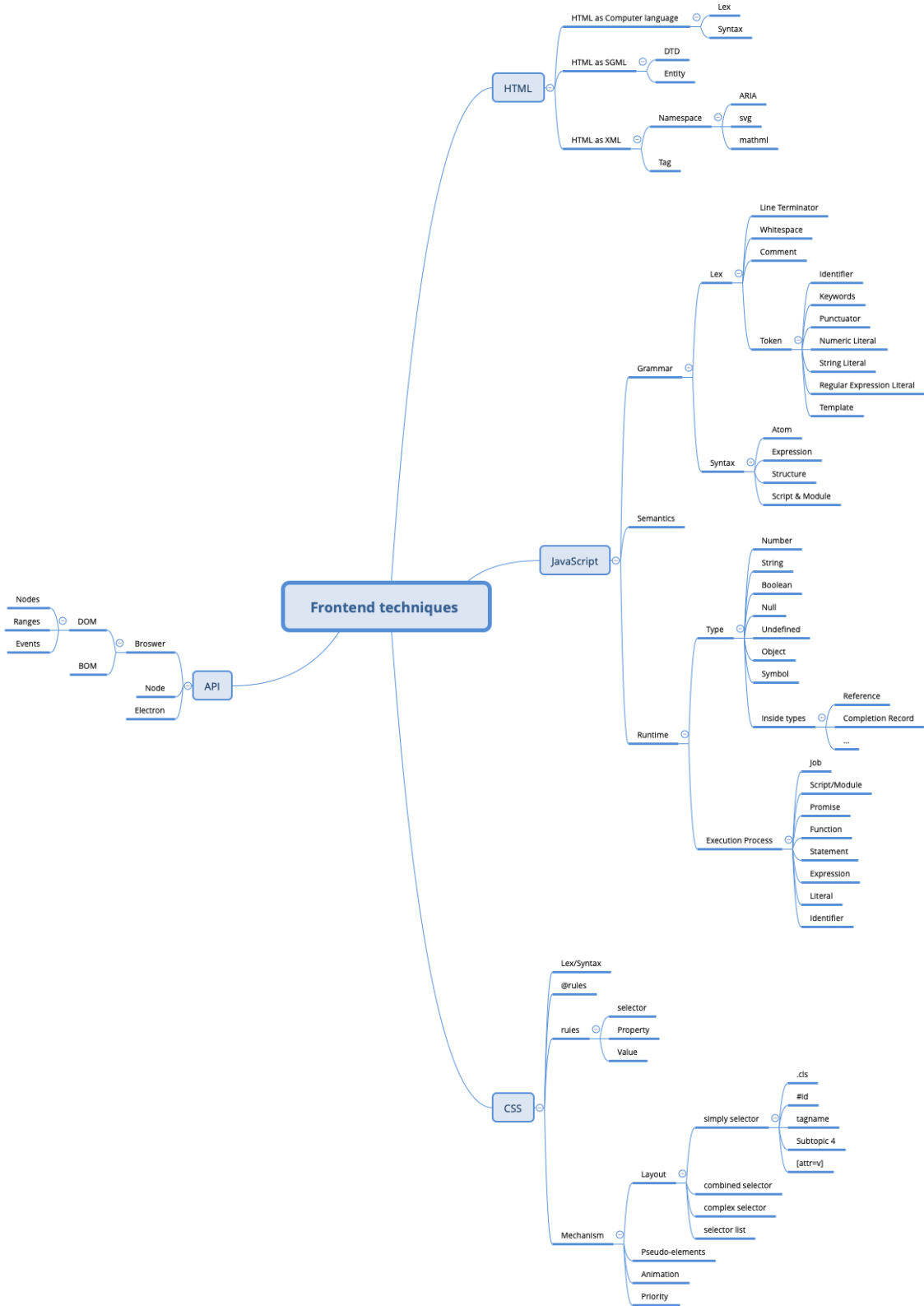


# Frontend techniques

Frontend techniques .....	1
1. HTML .....	4
1.1. HTML as Computer language .....	4
1.1.1. Lex .....	4
1.1.2. Syntax .....	4
1.2. HTML as SGML .....	4
1.2.1. DTD .....	4
1.2.2. Entity .....	4
1.3. HTML as XML .....	4
1.3.1. Namespace .....	4
1.3.2. Tag .....	4
2. JavaScript .....	4
2.1. Grammar .....	4
2.1.1. Lex .....	4
2.1.2. Syntax .....	5
2.2. Semantics .....	6
2.3. Runtime .....	6
2.3.1. Type .....	6
2.3.2. Execution Process .....	6
3. CSS .....	7
3.1. Lex/Syntax .....	7
3.2. @rules .....	7
3.3. ruies .....	7
3.3.1. selector .....	7
3.3.2. Property .....	7
3.3.3. Value .....	7
3.4. Mechanism .....	7
3.4.1. Layout .....	7
3.4.2. Pseudo-elements .....	8

3.4.3.	Animation .....	8
3.4.4.	Priority.....	8
4.	API.....	8
4.1.	Browser.....	8
4.1.1.	DOM.....	8
4.1.2.	BOM .....	9
4.2.	Node.....	9
4.3.	Electron .....	9



# **1. HTML**

## **1.1. HTML as Computer language**

### **1.1.1. Lex**

### **1.1.2. Syntax**

## **1.2. HTML as SGML**

### **1.2.1. DTD**

### **1.2.2. Entity**

## **1.3. HTML as XML**

### **1.3.1. Namespace**

**ARIA**

**svg**

**mathml**

### **1.3.2. Tag**

# **2. JavaScript**

## **2.1. Grammar**

### **2.1.1. Lex**

**Line Terminator**

**Whitespace**

**Comment**

**Token**

**Identifier**

**Keywords**

**Punctuator**

**Numeric Literal**

**String Literal**

**Regular Expression Literal**

**Template**

### **2.1.2. Syntax**

**Atom**

**Expression**

**Structure**

**Script & Module**

## **2.2. Semantics**

## **2.3. Runtime**

### **2.3.1. Type**

**Number**

**String**

**Boolean**

**Null**

**Undefined**

**Object**

**Symbol**

**Inside types**

**Reference**

**Completion Record**

**...**

### **2.3.2. Execution Process**

**Job**

**Script/Module**

**Promise**

**Function**

**Statement**

**Expression**

**Literal**

**Identifier**

### **3. CSS**

#### **3.1. Lex/Syntax**

#### **3.2. @rules**

#### **3.3. ruies**

##### **3.3.1. selector**

##### **3.3.2. Property**

##### **3.3.3. Value**

#### **3.4. Mechanism**

##### **3.4.1. Layout**

**simply selector**

**.cls**

**#id**

**tagname**

**Subtopic 4**

**[attr=v]**

**combined selector**

**complex selector**

**selector list**

**3.4.2. Pseudo-elements**

**3.4.3. Animation**

**3.4.4. Priority**

## **4. API**

**4.1. Browser**

**4.1.1. DOM**

**Nodes**



**Ranges**

**Events**

**4.1.2. BOM**

**4.2. Node**

**4.3. Electron**