

Module 1 – AJAX

Requesting and handling external data

Class plan

- How do we request data from external sources
- What is AJAX
- What is JSON
- What are APIs



Requesting data from external sources



- Everything on the internet communicates through HTTP
- Each time we click on a link it sends an HTTP request for the page
- With AJAX we can send requests without reloading the page
- AJAX allows us to create dynamic pages that do not reload any time when they need something to be loaded
- Each time we request data from external source with AJAX we get data package

JSON



- Short for: JavaScript Object Notation
- Data format that is used for sending and receiving data
- It is formatted text in a particular way so that different systems can understand the data in it
- When we ask for data from external service we usually get it in some data format
- We can convert JSON text into JavaScript object so we can use it in our application and vice versa

APIs



- Short for: Application Programming Interface
- Server applications that are used for communication
- Used as interfaces to some data
- The data can be open so that anyone can access it
- Some APIs require a key that is unique to the user making the requests



Questions?