

# IRC

---

## Kick-off

### T6 - Javascript Frameworks

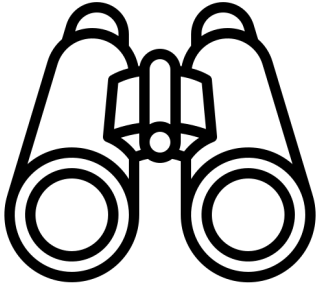
---

T-JSF-600

# Welcome

Let us discover:

- the client /server architecture ;
- the JS frameworks ;
- the IRC protocol ;
- the MERN stack ;



## A bit of history

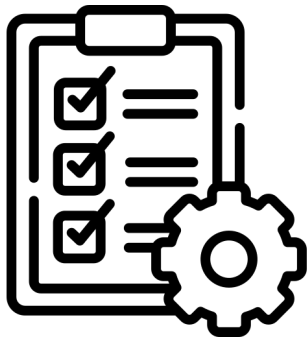


Internet Relay Chat:

- created in 1988 ;
- text-based instant messaging system ;
- replaced the chat system at a finnish University.



# Technical specifications



- it uses TCP ;
- it's compatible with TLS ;
- uses the standard ports 6665-6669 ;
- can connect servers together to create a server group.



# Features



- usable without account ;
- data transfer & file sharing ;
- private and group messages ;
- channel creation.



## Clients



- mIRC ;
- XChat ;
- ChatZilla ;
- Pigdin ;
- IceChat ;
- WeeChat ;
- FooIRC ;
- ...



# node JS



Open-source, cross-platform, back-end JavaScript runtime environment:

- allow to execute JavaScript code outside a web browser ;
- accelerates the development of applications ;
- very performant & extensible ;
- big active community ;
- easy to learn.



# Express



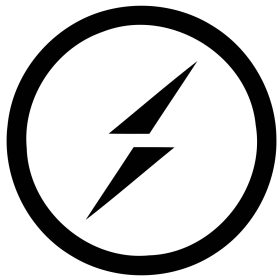
Back end web application framework for Node.js:

- allows to use a single language for frontend and backend ;
- reduces the time needed for development ;
- free and open-source ;
- regularly updated.





# Socket.IO



Event-driven library for real-time web applications:

- enables real-time bidirectional event-based communication ;
- can be used simply as a wrapper for WebSockets ;
- can store data associated with each client ;
- can broadcast to multiple sockets ;
- have an asynchronous I/O.



# Any questions

---

?

