



Berner Fachhochschule  
Haute école spécialisée bernoise  
Bern University of Applied Sciences

# Web and Apps Presentation

*Emmanuel Benoist and Reto Koenig*  
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# Presentation

# Presentation

- ▶ Emmanuel Benoist
  - ▶ email: `emmanuel.benoist(at)bfh.ch`
- ▶ PhD at the University of Caen (France)
- ▶ Professor at the Berner Fachhochschule
  - ▶ Teach Computer Science in Biel since 1999,
  - ▶ Specialties: CS basics, OS, Web Programming and Web Security.
- ▶ Web Security and Privacy protection on the Web.
  - ▶ Member of the Research Institute on Security in the Information Society (RISIS),
    - ▶ Web Security,
    - ▶ Privacy Protection on the Web,
    - ▶ e-Health,
  - ▶ Member of the OWASP (Open Web Application Security Platform) Swiss Chapter.

# Module : Web and Apps

- ▶ **Web / Server side services**
  - ▶ Different architectures
  - ▶ Node-red,
  - ▶ Presentation of the concepts of web programming (HTML /CSS),
  - ▶ JSON API's / REST
  - ▶ Database connections
  - ▶ Project : JSON REST server
- ▶ **Apps**
  - ▶ Concepts of development of mobile applications,
  - ▶ Apps with Android,
  - ▶ Connect a server using JSON.

# Goal of the course

- ▶ **Students have created very small server JSON API's**
  - ▶ in Node-red
  - ▶ using a Data Base
- ▶ **Students understand the different techniques used for servers**
  - ▶ They have been presented techniques
  - ▶ they do not have to program using “advanced techniques”.

# Web technologies part

- ▶ **Moodle page of the course:**

<https://moodle.bfh.ch/course/view.php?id=26174>

- ▶ Slides
  - ▶ Exercises
  - ▶ Resources (bibliography and Internet)
- ▶ **Courses in MS Teams**
    - ▶ Recording available two weeks.

# Who are you?

- ▶ Proficiency in programming?
- ▶ Proficiency in Web Programming?
- ▶ German speaking / French speaking ?

# Questions?

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