

Web and Apps Presentation

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▶ Computer Science Division

Presentation

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- ▶ 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.

Presentation

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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