Facultatea de Matematică și Informatică
Departamentul de Informatică
Asistent universitar, poziția 62

Tematica probelor de concurs

Elemente de Web design

1. Utilizarea CSS în aplicații
2. Utilizare JavaScript în definirea comportamentului elementelor dintr-o pagină WEB
3. Utilizarea biblioteci jQuery
4. Utilizarea Ajax
5. Realizarea unei aplicații simple PHP
6. Conectarea PHP la baza de date MySQL

Inginerie software

7. Modelarea funcțională
8. Modelarea comportamentului
9. Modelarea interacțiunii cu utilizatorul
10. Diagrama de clase
11. Analiza de robustețe
12. Verificarea software-ului. Proiectarea cazurilor de testare
13. Clean Code

Tehnologii Web

14. HTML5, Formulare HTML, CSS
15. XML, XSL
16. Parsarea si crearea de documente XML: SAX, DOM
17. Javascript, Ajax, JSON
18. Servicii Web
19. Principiile SEA și SEO

Tematica în limba engleză

Web Design

1. CSS usage in applications
2. JavaScript usage in order to control Web pages behaviour
3. jQuery library usage
4. Ajax usage
5. Simple PHP application

6. Connecting PHP application to MySQL database

Software Engineering

7. Functional modelling
8. Behaviour modelling
9. User interface modelling
10. Class diagram
11. Robustness analyses
12. Software verification. Test case definition
13. Clean Code

Web Technologies

14. HTML5, HTML Forms, CSS
15. XML, XSL
16. Creating and parsing XML documents: SAX, DOM
17. Javascript, Ajax, JSON
18. Web Services
19. SEA and SEO Principles

Bibliografia probelor de concurs

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2. Robin Nixon, Learning PHP, MySQL & JavaScript, 4th Edition, O'Reilly Media, 2014.
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