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Web Applications for Everybody Specialization

Build dynamic database-backed web sites. Use PHP, MySQL, jQuery, and Handlebars to build web and database applications
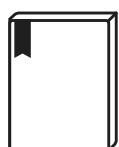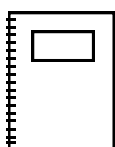
About This Specialization

This specialization is a basic introduction to building web applications, and is an excellent starting point for learners who already have a basic understanding of programming, HTML, and CSS. In Web Applications for Everybody, learners will be introduced to web and database applications in PHP, using SQL for database creation, as well as functionality in JavaScript, jQuery, and JSON.

This specialization (and its prerequisites) will prepare learners with no experience in programming or technology for an entry level web developer position in PHP.

Created by: UNIVERSITY OF MICHIGAN

📖 4 courses   📓 Projects   🏅 Certificates

Projects Overview

The courses in this specialization feature assignments requiring development of increasingly challenging web sites, to demonstrate basic concepts as they are introduced. The projects will demonstrate the students skills in HTML, CSS, PHP, SQL, and JavaScript.

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Courses

Intermediate Specialization.   Some related experience required.

COURSE 1

Building Web Applications in PHP

Current session: Apr 9

Commitment	**8-10 hours per week**
Subtitles	**English**

About the Course

In this course, you'll explore the basic structure of a web application, and how a web browser interacts with a web server. You'll be introduced to the request/response cycle, including GET/POST/Redirect. You'll also gain an introductory understa... more

You can choose to take this course only. Learn more.

COURSE 2

Introduction to Structured Query Language (SQL)

Current session: Apr 9

Commitment	8-10 hours per week
Subtitles	English

About the Course

In this course, you'll walk through installation steps for installing a text editor, installing MAMP or XAMPP (or equivalent) and creating a MySql Database. You'll learn about single table queries and the basic syntax of the SQL language, as well as ... more

You can choose to take this course only. Learn more.

COURSE 3

Building Database Applications in PHP

Current session: Apr 9

Commitment	8-10 hours per week
Subtitles	English

About the Course

In this course, we'll look at the object oriented patterns available in PHP. You'll learn how to connect to a MySQL using the Portable Data Objects (PDO) library and issue SQL commands in the the PHP language. We'll also look at how PHP uses coo... more

You can choose to take this course only. Learn more.

COURSE 4

JavaScript, jQuery, and JSON

Current session: Apr 9

Commitment	**10 hours per week**
Subtitles	**English**

About the Course

In this course, we'll look at the JavaScript language, and how it supports the Object-Oriented pattern, with a focus on the unique aspect of how JavaScript approaches OO. We'll explore a brief introduction to the jQuery library, which is widely us... more

You can choose to take this course only. Learn more.

Pricing

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Creators

Michigan's academic vigor offers excellence across disciplines and around the globe. The University is recognized as a leader in higher education due to the outstanding quality of its 19 schools and colleges, internationally recognized faculty, and departments with 250 degree programs.

Charles Severance
Associate Professor

FAQs

> What is the refund policy?

> Can I just enroll in a single course? I'm not interested in the entire Specialization.

> Is financial aid available?

> How long does it take to complete the Specialization?

> What background knowledge is necessary?

> Do I need to take the courses in a specific order?

> Will I earn university credit for completing the Specialization?

> What will I be able to do upon completing the Specialization?

More questions? Visit the Learner Help Center.

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