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# Software Engineering Mobile App Development

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Full-Time Online classes

# Introduction

In a world where mobile devices have become an integral part of our daily lives and mobile technology shapes our world, this course is designed to equip individuals with the skills and knowledge necessary to excel in the dynamic field of mobile application development. Whether you're a student, aspiring developer, or industry professional, our comprehensive and up-to-date curriculum is your gateway to creating innovative and impactful mobile experiences and preparing for a successful career in mobile software engineering.

## Why Take this Course At Moringa?

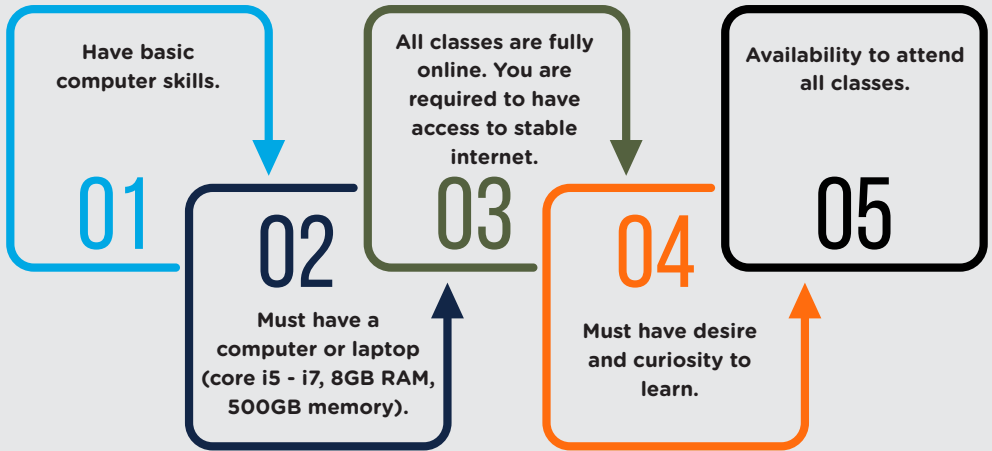
If you are in search of a unique learning experience this is the place for you. We guarantee you will learn market-aligned skills through our practical and comprehensive curriculum.

- 1 Project-based learning**
- 2 Technical Mentor Support**
- 3 Interactive workshops and group discussions**
- 4 Access to a dedicated online platform for course materials and resources.**
- 5 Access to a global community of learners all over Africa. You may be learning online, but you're not alone. You have access to fellow students, alumni, and technical mentors to guide you through.**
- 6 Career coaching and graduate support of up to 1 year post graduation**

## Who is this course for?

- Avoid the daily commute by studying from home/anywhere
- High School/university/Diploma students aspiring to become mobile app developers.
- Junior developers looking to specialize in mobile development.
- IT professionals seeking to transition into mobile application development.
- Entrepreneurs interested in creating their own mobile apps.

## What are our Admissions Prerequisites?



## Software Engineering Course Overview

**Course Duration** - 23 weeks

**Mode of learning** - Full-Time Online Classes

**Training Delivery** - Online Classes every Mon - Fri from 9.00 am - 5.00 pm  
(Live lectures, self-learning, and Technical Mentor Support available)

**Tuition Fees** - Ksh 174,000

**N.B** - The tuition fees can be paid in full before the start of class or in installments.  
Download the fee payment plan on our website for more details.

## Fee Payment Options Available



# Curriculum Outline

## Unit 0: Onboarding and Orientation

All students are required to complete an introductory pre-work one week before the start of class. During pre-work, students will get accustomed to our online learning management system (Canvas), set up their computing environment that will prepare them for day 1 of the program.

## Unit 1: Web Development Fundamentals

This unit covers the foundational concepts of web development, including HTML, CSS, and basic principles of web design. An understanding of the structure of web pages, styling elements with CSS, and gaining proficiency in creating static web pages.

### Soft Skills Training

## Unit 2: Python Fundamentals, Data Structures, and algorithms

Students will learn the basics of Python programming, delve into fundamental data structures, and explore algorithmic concepts.

## Unit 3: SQL with Python

This unit focuses on integrating SQL with Python for database management. Participants will learn to interact with databases using Python and SQL. The learning outcomes will include querying databases, performing CRUD operations, and understanding the connection between Python and relational databases.

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# Curriculum Outline

## Unit 4: Modern Software Engineering with DevOps

The unit covers modern software engineering practices, including version control, continuous integration, and continuous deployment (CI/CD) using DevOps principles. Learning outcomes will include proficiency in using tools like Git, Jenkins, and Docker, as well as understanding the principles of CI/CD.

**Break**

## Unit 5: Javascript Fundamentals

You will gain a solid understanding of JavaScript, covering syntax, data types, and basic programming concepts. The learning outcomes will include writing JavaScript code, manipulating the Document Object Model (DOM), and understanding asynchronous programming.

**Soft Skills**

## Unit 6: Front-end Javascript Frameworks

This unit explores front-end JavaScript frameworks, such as React or Angular, emphasizing building interactive and dynamic user interfaces. The learning outcomes will include developing single-page applications (SPAs), understanding component-based architecture, and mastering state management.

## Unit 7: Multiplatform Mobile App Development with React Native

This unit explores front-end JavaScript frameworks, such as React or Angular, emphasizing building interactive and dynamic user interfaces. The learning outcomes will include developing single-page applications (SPAs), understanding component-based architecture, and mastering state management.

## Unit 8: Server-side Development with NodeJS, Express and MongoDB

This unit focuses on server-side development using Node.js, Express, and MongoDB for database management. Students will learn how to build RESTful APIs, interacting with databases using MongoDB, and understand server-side JavaScript development.

# What Our Graduates Say



It has been over three years since I first joined Moringa School. Before Moringa School I was a computer science student but then I decided to join a coding boot camp to gain practical skills. Life for me has never been the same since then. I love coding and would definitely encourage more girls to join the program.



**Latasha Ndirangi,**  
Developer at Dotsavvy

## Contact Details



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