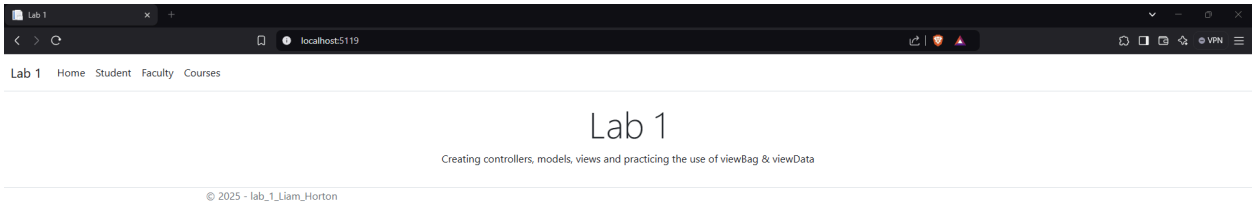
Lab 1
localhost:5119
VPN
Lab 1
Home
Student
Faculty
Courses
Lab 1
Creating controllers, models, views and practicing the use of viewBag & viewData
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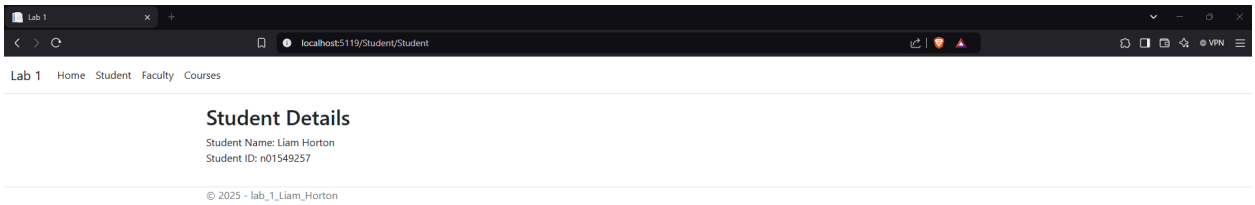
Lab 1
localhost:5119/Student/Student
VPN
Lab 1
Home
Student
Faculty
Courses
Student Details
Student Name: Liam Horton
Student ID: n01549257
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Lab 1 Home Student Faculty Courses

Faculty List

- Vivek Ahuja - Application Security
- Pawandeep Singh - Business Intelligence
- Andrew Park - Cloud Security
- Mihai Albu - Machine Learning
- Arman Hamzehlou Kahrizi - Project Development
- Ibrahim Sayem - Web Programming

Lab 1 Home Student Faculty Courses

Course List

- **Application Security**
  This course addresses the ever-growing security concerns that organizations face regarding their software and web applications. In this course, students will learn how to build secure applications by becoming familiar with current security principles and threat surfaces. Students will also examine common application security flaws, and understand how to integrate security with design, development, testing and deployment phases of the software development life cycle. Students will understand secure coding practices to prevent common vulnerabilities affecting applications. Topics covered will include OWASP Top 10 such as SQL Injection, XSS and Broken Authentication. Students will also learn about SSDLC and use security tools to test vulnerabilities.
- **Business Intelligence**
  Learn about BI foundation and tools - integrated array of query, reporting, analysis, alerting, mobile analytics, data integration and management, and desktop integration - as well as performance management applications, operational BI applications, and data warehousing with Business Intelligence Training.
- **Cloud Security**
  Cloud computing is the on-demand delivery of IT resources that offers organizations agility, elasticity, scalability and flexibility. This course will describe the cloud security architecture and explore the security design principles, design patterns, industry standards, applied technologies and addressing regulatory compliance requirements that are critical to design, implement, deliver and manage secure cloud-based services. Students will focus on identifying and mitigating risks, data protection, identity management and access control as well as the protection of physical and logical infrastructures such as computing, network and storage. Other topics covered include monitoring and auditing processes and meeting compliance with industry and regulatory mandates. The course will leverage cloud computing security guidelines set forth by ISO, NIST and Cloud Security Alliance (CSA). The material is reinforced through hands-on labs through out the course.
- **Machine Learning**
  Machine learning (ML) implies the study of algorithms capable of learning from prior experience or large datasets. The course applies machine learning algorithms to different problem domains while at the same time, understanding the theoretical basis for machine learning algorithms. Developed in Python, sample applications in medicine, computational biology, finance, computer vision will demonstrate the large-scale applicability of ML in current society.
- **Project Development**
  This two-part capstone course gives students an opportunity for developing a project from inception to completion. Students will be able to use, prove and strengthen the knowledge acquired throughout their program in an interdisciplinary real-world project. The aim of this project is to incorporate information technology standards with realistic constraints including consideration of economic, environmental, sustainability, manufacturability and ethics. As part of the development process, students will also demonstrate the following: project management skills, professional behavior, effective communication skills, and problem-solving abilities as they transition to professionals.
- **Web Programming**
  Students study the latest in Microsoft web technology, ASP.NET. Students learn how ASP.NET allows developers to rapidly develop and deploy e-commerce and n-tier architecture solutions. Students learn to access supporting databases working with Visual C# code and HTML to enforce business rules. Students use Visual Studio.NET software for project development. Web forms and MVC framework is covered.