COURSE SYLLABUS

CAMPUS NAME: Ankeny

COURSE TITLE: Advanced C# Programming

COURSE NUMBER: CIS 174

SECTION NUMBER & CRN: WB1 & 23767

INSTRUCTOR INFORMATION

NAME: Matthew Julius, MBA

EMAIL ADDRESS: mjjulius@dmacc.edu

OFFICE LOCATION: Ankeny Building 8 Room 1C

OFFICE HOURS/APPOINTMENTS: Mon – Fri 10:00 – 11:00a.m.

BLACKBOARD: https://dmacc.blackboard.com/

COURSE INFORMATION

SEMESTER/YEAR: Spring 2023

DATE SYLLABUS CREATED AND/OR REVISED: Jan 2023

DAYS & TIME & LOCATION: W 12:50 – 2:15 Blg 8 Rm 2A

COURSE DESCRIPTION & CREDITS:
https://www.dmacc.edu/Schedule/Pages/coursedescriptions.aspx

PREREQUISITES: CIS 169

COURSE COMPETENCIES: https://www.dmacc.edu/competencies

COURSE OVERVIEW: We will explore the basic concepts of ASP.NET Core MVC. We will learn how to create and deploy a database and web application to a server. We will move on to more advanced topics in C# and learn .net core. We will also learn how to debug our web applications and use automated testing to build robust applications.

DMACC COLLEGE WIDE OUTCOMES:
https://www.dmacc.edu/oie/Documents/DMACC%20Collegewide%20Outcomes.pdf

STUDY EXPECTATIONS/TIPS: To do well in this class you should go through the readings and any other content before class so that you are prepared for the in-class activities. Take and review your notes from class. If you miss a class session, make sure to review all the other content and reading and get the missed notes from a classmate. Feel free to ask questions of myself or your classmates. This is a fast paced, hands-on course. It is realistic to expect to spend at least 10 hours per week doing course work for this course. If you miss any class session it is your responsibility to obtain any notes from a classmate as soon as possible. The content of the course builds on itself throughout the semester. Consequently,

it is important that students master early concepts, as they will become building blocks for concepts introduced later in the course. Students should seek extra help by utilizing tutoring, arranging time before or after class with myself, or studying with classmates. You should do so as soon as possible if you feel that you are getting behind on the course material.

TEXTBOOKS & MATERIALS

REQUIRED TEXTBOOKS & ISBN: Murach's ASP.NET Core MVC 2nd Edition ISBN 978-1-943873-02-9

TECHNOLOGY NEEDS: Visual Studio 2022 Community

OPTIONAL OR RECOMMENDED BOOKS/MATERIALS: Windows 10 or 11

SOFTWARE APPLICATIONS: Visual Studio 2022 Community; SQL Server Management Studio, SQL Server Express; Git(SourceTree or other Git tools), latest version of Microsoft Word, Excel, and PowerPoint; Firefox is best for blackboard; Software notice: "All the software used in this class is copyrighted; therefore, it is not for distribution, copying, or personal use. This software is the property of Des Moines Area Community College."

COURSE POLICIES

ATTENDANCE/PARTICIPATION: : Regular attendance and participation is expected. Lack of attendance and participation may reflect on the final grade

WEATHER-RELATED CANCELLATIONS:

1) **Online, hybrid, and virtual classes:** Online, hybrid, and virtual classes will continue as scheduled even if DMACC locations (campus, center, site, etc.) are cancelled. Only on-campus classes, labs, events, and 3rd party sites such as clinicals will be cancelled for weather-related closures.

2) **Classes meeting on campus, at a center/cite, or 3rd party location such as clinicals:** Classes meeting on any campus, center/site, or a 3rd party location such as clinicals are cancelled when that campus, center, or site is closed due to weather. Online, hybrid, and virtual classes will continue when campuses, sites, or centers are closed due to weather.

GRADING CRITERIA: 100-90% A , 89-80% B, 79-70% C, 69-60% D, 59-0% F

CLASSROOM CONDUCT: https://www.dmacc.edu/handbook

MISSED EXAMS: Contact Instructor

LATE ASSIGNMENTS: Contact Instructor

CLASS CANCELLATION PROCEDURE: (It is the responsibility of each faculty member to notify their students, in addition to their dean or provost, through some predetermined means if they must postpone or cancel a specific class.) Check Announcements in Blackboard

ACADEMIC MISCONDUCT AND PLAGIARISM: DMACC's Academic Misconduct Policy (ES4670) prohibits plagiarism; falsification; unauthorized collaboration during an exam, project, or assignment; or the misrepresentation of identity by a student or individual to complete an exam, course, or project. Plagiarism is defined as presenting someone else's work or ideas as your own by including it into your work without citing the original author's work. Academic Misconduct may be intentional or unintentional in nature. Academic Misconduct may result in sanctions for the student. Sanctions are issued based on the severity and nature of the misconduct. It is the student's responsibility to become familiar with and follow DMACC's Academic Misconduct procedure at https://dmacc.link/ES4670.

SUPPORT SERVICES/ACCOMMODATIONS

SERVICES FOR STUDENTS WITH DISABILITIES: https://www.dmacc.edu/disabilities
Any student with a documented disability who requires reasonable accommodation should contact the Disability Services Coordinator at **515-964-6850** or the counseling & advising office on any campus to apply for services.

COURSE SYLLABUS

DISCLAIMER: "This syllabus is representative of materials that will be covered in this class; it is not a contract between the student and the institution. It is subject to change without notice. Important: **All students are strongly encouraged to visit the myDMACC portal to review policies and procedures.** Any potential exceptions to stated policies and requirements will be addressed on an individual basis and only for reasons that meet specific requirements. If you have any problems related to this class, please feel free to discuss them with me."

NONDISCRIMINATION STATEMENT

Des Moines Area Community College shall not engage in nor allow discrimination covered by law against any person, group or organization. This includes in its programs, activities, employment practices, or hiring practices, and harassment or discrimination based on race, color, national origin, creed, religion, sex, sexual orientation, gender identity, age, disability, genetic information (in employment) and actual or potential parental, family or marital status. Veteran status in educational programs, activities, employment practices, or admission procedures is also included to the extent covered by law.

Individuals who believe they have been discriminated against may file a complaint through the College Discrimination Complaint Procedure. Complaint forms may be obtained from the Campus Provost's office, the Academic Deans' office, the Judicial Officer, or the EEO/AA Officer, Human Resources. ADA questions and concerns may be directed to the Section 504/ADA Coordinator at 2006 S. Ankeny Blvd, Bldg. 6, Ankeny, IA 50023, phone 515/964-6857, dso@dmacc.edu. Title IX questions and concerns may be directed to the Title IX Coordinator at 2006 S. Ankeny Blvd., Bldg. 1, Ankeny, IA 50023, phone 515/964-6216, Title9@dmacc.edu. Questions or complaints about this policy may be directed to the Director of the Office for Civil Rights, U.S. Department of Education, John C. Kluczynski Federal Building, 230 S. Dearborn St., 37th Floor, Chicago, IL 60604-7204, phone 312/730-1560, fax 312/730-1576, TDD 800-877-8339, email OCR.Chicago@ed.gov.

NON-DISCRIMINATION PROCEDURE INFORMATION:
Students who wish additional information or assistance may refer to Student Services

procedure ES 4645 Discrimination and Harassment Complaint procedure located at https://dmacc.link/ES4645.

DIVERSITY, EQUITY, AND INCLUSION INFORMATION:
DMACC supports diversity, equity, and inclusion in all aspects of college and community life. The Director of Diversity Equity Inclusion may be contacted at 515 964-6299 or newittstruck@dmacc.edu. The Associate Director of DEI Student Engagement may be contacted at 515 964-6271 or nmstepletonhardin@dmacc.edu.

ADA/SECTION 504 INFORMATION:
The Academic Support Services Director is the official Student Accommodation Officer/Section 504/ADA Coordinator for DMACC. The ADA Coordinator's office is located in Bldg. 6-10E on the Ankeny Campus and may be contacted by voice (515-964-6857). The ADA Coordinator is responsible for ensuring that the college complies with federal regulations that guarantee qualified students with disabilities equal access to all programs and services. Any student, faculty, or staff member may contact the ADA Coordinator's office for clarification of federal regulations, appeal of a grievance, or resolution of a disability-related problem.

ADDITIONAL INFORMATION

DMACC supports student success through our Early Alert System. Early Alert connects students to available resources such as advising, counseling, tutoring and more. Faculty members may refer students to these supports in cases in which a student is showing difficulty in attendance, course work, and/or reported situations in which more support could aid in college success. Students are encouraged to respond to all DMACC phone calls or emails and take full advantage of available resources to support a positive college experience. More information may be found at https://earlyalert.dmacc.edu.

To access additional information related to DMACC policies and procedures that impact the classroom (use of technology, weather-related cancellations, classroom conduct, etc.) please reference the myDMACC student portal.

If you do not have access to a computer and need a printed version of any of the information described above, contact your instructor.

COURSE SCHEDULE

Week or Date	Assignment	Due Date
1	Intro to Web Programming Quiz Assignments	End of week 1
2	One-page MVC web app Quiz Project(s)	End of week 2
3	Responsive web app Quiz Project(s)	End of week 3
4	Data-driven web app Quiz Project(s)	End of week 4
5	Testing / Debugging chap 5 Controllers / Routing chap 6 Quiz Project(s)	End of week 5
6	Razor Views Quiz Project(s)	End of week 6
7	Transfer Data from controllers Quiz Project(s)	End of week 7
8	Session state / cookies Quiz Project(s)	End of week 8
9	Model Binding Quiz Project(s)	End of week 9
10	Validate Data Quiz Project(s)	End of week 10
11	EF Core Quiz Project(s)	End of week 11
12	Dependency Injection / Unit Testing chap 14 Quiz Project(s)	End of week 12
13	Tag helpers / partial views / view components Quiz Project(s)	End of week 13
14	Authenticate / Authorize users Quiz Project(s)	End of week 14
15	Deploy MVC Apps Quiz	End of week 15

Week or Date	Assignment	Due Date
	Project(s)	
Finals	Final Project	Finals week

January 9	Start of Spring Semester
January 16	Holiday - College Closed
February 17	In-Service Day - College Closed
March 1	Registration Opens for Veterans and Honors: Summer 2023
March 6	Registration Opens for All Returning Students: Summer 2023
March 15	Registration Opens for All New and Guest Students: Summer 20223
March 6	Midterm
March 13-18	Spring Break
March 28	Last Day to Drop Classes (Regular Term)
April 10	Registration Opens for Veterans and Honors: Fall 2023
April 12	Registration Opens for All Returning Students: Fall 2023
April 19	Registration Opens for All New and Guest Students: Fall 2023
May 4	End of Spring Semester