



NORTHWEST
MISSOURI STATE UNIVERSITY
MARYVILLE | KANSAS CITY

School of Computer Science and Information Systems

44-692-01 and 44-692-03, Graduate Directed Project II, 3 credit hours
Fall 2022

Instructor: Denise Case

Office hrs: MWF 9-9:50am, 3:00-3:50pm, Tu 11-11:50am

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Prerequisites: 44-691 with a grade of C or better.

Textbook and supplementary materials: There is no required textbook. Free resources will be required as designated by the instructor.

Course description: The second of two software development practicum courses designed to integrate computer-related skills into an intensive project environment.

Student learning outcomes:

Assessment methods:

Competency	Program Outcome	Assessment
Communicating	An ability to communicate effectively with a range of audiences about technical information.	Projects, workshops, team/client meetings and communications
Communicating	An ability to apply principles and concepts with technologies to design and develop computer based solutions.	Projects, workshops, team/client meetings and communications
Critical Thinking	An ability to analyze a problem, and to identify and define the computing requirements appropriate to its solution.	Projects, workshops, team/client meetings and communications
Critical Thinking	An ability to design, implement, and evaluate a computer-based solution to meet a given set of computing requirements in the context of the discipline.	Projects, workshops, team/client meetings and communications
Managing Information	An ability to apply models, tools, and techniques to implement computer-based applications aligned with industry standards.	Projects, workshops, team/client meetings and communications
Valuing	An ability to make informed judgments in computing practice based on legal and ethical, and social principles.	Projects, workshops, team/client meetings and communications
Diversity, Equity, and Inclusion	An ability to: a. utilize inclusive language and behaviors, b. implement applications accommodating a wide range of individuals including diversity in ethnic/cultural background, or physical ability, and c. function as an effective member of a diverse team.	Projects, workshops, team/client meetings and communications
Teamwork	An ability to function effectively on teams to establish goals, plan tasks, meet deadlines, manage risk, and produce deliverables.	Projects, workshops, team/client meetings and communications
Leadership	An ability to evaluate and demonstrate leadership skills, make sound data-driven decisions, take responsibility for actions, manage workload, address challenges ethically and responsibly, and communicate effectively on technical matters to a wide variety of audiences.	Projects, workshops, team/client meetings and communications

Instructional methods: Instructional methods may include lectures, class discussions, individual work, small group work, learner presentations, client discussions, client communications, client presentations, and

collaborative development.

Course Expectations: This course includes the development of unique, creative applications. Students should expect to spend at least 2-3 hours on out-of-class work for every hour of instruction.

Course Email: Professional email practices are required. **Email must include course number and section (e.g., 44-692-01) in the subject line.** Email should be professional, politely written, and use proper grammar, capitalization, and spelling.

Course Conduct Guidelines: Students will behave in a professional manner in all course interactions. Devices including cell phones, earphones, gadgets, and other items should be silent and put away during class. Unauthorized use of devices during class may result in reduction in scores. Be ready to work when the class is scheduled to begin. Be polite and respectful to others in the class. Do not interrupt someone during a class discussion, and respect others' opinions/comments as you expect them to respect yours. Follow classroom policies as listed here and in the course site.

Course citation requirements: Cite ALL Sources. You must provide proper citation for any content including text, images, videos, and code that you did not personally develop. Do not copy and paste content for any submission. Failing to acknowledge assistance including internet photos, clipart, slide content, course files, shared solutions, etc. can be expected to result in a 0 on the assignment, a one-half letter grade reduction, a 0 in the course, or failing the course with an academic integrity violation.

Course late work policy: Graded activities are expected to be completed by due date. If you must miss a due date, contact the instructor in advance or as early as possible. Due dates get you ready for coming material. Keeping up is critical. On rare occasions, special challenges or obligations may make it difficult to submit on time. You typically have a one-week grace period where the work may still be submitted and graded. Late penalties will be described in the rubric. **No late submissions will be accepted during the last two weeks of class.**

Graded course requirements: All submissions must be your own, creative, unique work. You may be asked to explain your work during class, in discussions, or in a recorded submission.

Graded contributions:

Category	Contribution
Individual	50%
Group	50%
All	100%

Grading scale:

Percent Range	Grade
90-100%	A
>= 80% and < 90%	B
>= 70% and < 80%	C
>= 60% and < 70%	D
below 60%	F

Grading: Grades will generally be posted within 2-7 days of the due date. If you wish to petition for additional points, please wait 24 hours. Petitions must be emailed, and must include the specific changes you are requesting, along with your reasoning on why the higher score is warranted. Challenges must be raised within seven days of the grade being posted; after seven days, grades are considered final.

Course outline/major topics studied:

Week	Start	Notes
1	Wed 1-12	Course starts Wed , assignments due first day, finalize groups
2	Mon 1-17	No class Monday , set repo/milestones/wiki/personal pages
3	Mon 1-24	Milestone/wiki/repo/issues/deploy reviewed, implementation continues, Authentication plan set
4	Mon 1-31	Wiki requirements/sketches/plan/stack reviewed, implementation continues, initial GitHub Pages site
5	Mon 2-7	User stories/acceptance reviewed, implementation continues, client feedback process implemented
6	Mon 2-14	Implement beta features, add GitHub Actions CI/CD
7	Mon 2-21	Implement beta features, initial testing started
8	Mon 2-28	Beta Release Tagged (v0.?.?)
9	Mon 3-7	No class, spring break
10	Mon 3-14	Implement final features
11	Mon 3-21	Implement final features
12	Mon 3-28	Final Release Tagged (v1.0.0)
13	Mon 4-4	Final demos/presentations, quality/client reviews
14	Mon 4-11	Final demos/presentations, quality/client reviews
15	Mon 4-18	Final demos/presentations, quality/client reviews
16	Mon 4-25	Bug fixes, last chance for paperwork
17	Mon 5-2	Finals week (no late submissions)

Note: Course schedule is subject to change with instructor notification and students will be responsible for abiding by these changes.

Attendance: Students are expected to attend all classes as specified in the course syllabi for each course. It is the responsibility of the student to promptly notify his or her instructor when unable to attend class. Please refer to the university policy on attendance at <https://www.nwmissouri.edu/policies/academics/Attendance.pdf>

Final exams: If an emergency occurs that prevents the administration of a course scheduled final examination, the final course grades will be calculated based on the work in the course completed to that point in time and the faculty member's considered judgment. Final exams will not be rescheduled, and a grade of "I" will not be given as a result of an institutional cancellation of a final examination. This final exam policy does not apply to online courses.

Administrative drop: An instructor may request the Office of the Registrar delete a student from a course roster if the student has not met the prerequisite for the course as stated in the catalog, or as a result of non-attendance in the course.

Academic Administrative withdrawal: When it is in the best interest of Northwest Missouri State University for a student to withdraw, a student will be given a W, put on administrative hold, and given notice that they are about to be withdrawn. This action will result in removal of all credits associated with courses that have yet to be completed in the semester in question and the student will be administratively withdrawn from the University. An Administrative Withdrawal does not affect the student's grade point average. Please refer to Northwest Missouri State University's Academic Administrative Withdrawal Policy at: <https://www.nwmissouri.edu/policies/academics/Adding-Dropping-Withdrawals.pdf>

University communications: Students are expected to use their Northwest student email account for any electronic correspondence within the university. Students are also strongly advised to check their email and CatPAWS accounts on a regular basis.

Academic integrity policy: The students, faculty, and staff at Northwest endeavor to sustain an environment that values honesty in academic work, that acknowledges the authorized aid provided by and intellectual contributions of others, and that enables equitable student evaluation. Please refer to Northwest Missouri State University's Academic Integrity Policy at <http://www.nwmissouri.edu/policies/academics/Academic-Integrity.pdf>

Learning or Living Accommodations Request Process: Northwest Missouri State University complies with Section 504 of the Rehabilitation Act of 1973 and the Americans with Disabilities Act of 1990 [ADA] and the ADA Amendments Act of 2008 [ADAAA]. If a student has a documented disability that qualifies under the ADA/ADAAA and requests accommodations, they should review the Accessibility and Accommodations webpage at <https://www.nwmissouri.edu/titleixequity/accessibility/index.htm> for guidance, including the accommodations application and supporting documentation requirements. Contact ada@nwmissouri.edu or 660.562.1873 for further assistance. For the university policy on disability accommodation refer to <http://www.nwmissouri.edu/policies/student/Disability-Accommodation.pdf>

Non-discrimination and anti-harassment policy: Northwest Missouri State University is committed to maintaining an environment for all faculty, staff, students, and third parties that is free of illegal discrimination and harassment. Please refer to the Non-Discrimination and Anti-Harassment Policy at <https://www.nwmissouri.edu/TitleIXEquity/titleix/>

Family Educational Rights and Privacy Act (FERPA) policy: Family Educational Rights and Privacy Act of 1974, as amended (commonly known as the Buckley Amendment), is a federal law which provides that colleges and universities will maintain the confidentiality of student education records. Please refer to the Family Educational Rights and Privacy Act (FERPA) Policy at <http://www.nwmissouri.edu/policies/academics/Family-Educational-Rights-and-Privacy-Act.pdf>

COVID-19 Classroom Mitigation: Northwest is committed to the health and safety of the University community. Face coverings are required in all instructional spaces (classrooms/labs/studios) for all students and faculty until campus vaccination and infection data allow the university to direct otherwise. Should a non-vaccinated faculty member or student make close contact with a symptomatic, COVID-19 positive student, they will be asked to quarantine and not enter University facilities (unless otherwise instructed by University Wellness) or attend class until that quarantine period is over. Faculty will provide means for students missing class because of COVID-19 quarantine or isolation to keep up with course work, but students must communicate with faculty and adhere to the quarantine/isolation start and end dates. All other illnesses or absences for personal reasons will be handled as they were before the pandemic. Northwest further asks all

students and faculty to practice good hygiene and not enter University facilities or attend face-to-face classes when they feel sick. Students who do not comply with these requirements will be subject to standard disciplinary procedures according to the Northwest Student Code of Conduct (i.e. verbal and written warnings followed by a hearing, if necessary). We thank you for doing your part to maintain our learning environment and to protect the health of fellow Bearcats.

Change in Course Delivery:

It is our goal as a University to continue all courses as planned on campus. However, due to unforeseeable impacts of COVID-19 and its variants, faculty and students must be prepared to adjust course formats or mitigation strategies anytime during the semester, either permanently or for a short term. The University and faculty will communicate with students in the event such action is deemed necessary to preserve the health and safety of students and employees.

Quarantine checklist:

YOUR to do List:

- Call 911 if you experience difficulty breathing or a change in your level of consciousness.
- Contact Wellness Services at 660.215.8573 with questions. You may text or call between 7 a.m. and 7 p.m. If you have an emergency outside of these hours, contact UPD at 660.562.1254.
- Notify all of your instructors of your absence and predicted date of return. They will assist you in your coursework by providing information on their strategies for distance learning. Please ensure that you have your laptop, notes, textbooks, and other necessary course materials when you enter into quarantine. Lack of engagement in your coursework during quarantine will likely result in lower grades or failure. When communicating with your instructors, you may provide them with the reason you cannot be in the classroom, but you are not required to do so.
- Stay away from all people.
- You must talk with a Wellness Services staff member every few days, either by phone, text, Zoom or Skype. If you develop COVID-19 symptoms, you MUST notify Wellness Services immediately. It is important for your wellbeing that Northwest maintains contact with you. We want to know you are doing okay, answer any questions you have, check for symptoms and assist with your needs.

Behavior and Wellness: Northwest focuses on student success—every student, every day.

The Wellness Center, 660.562.1348, offers free counseling for students coping with depression, anxiety, alcohol or drug misuse, relationships, and other emotional, social, and academic stressors. In addition, faculty, staff, and students who are concerned with student wellbeing can report their concerns, including anonymously, to the Behavioral Intervention Team, so that the student can be offered relevant support, at this link: [Concerning Behavior Reporting Form](#). If you are concerned about the immediate safety of a student, please call the University Police, who have specialized training in intervention, at 660.562.1254.

Disclaimer: Course schedule is subject to change and you will be responsible for abiding by any such changes. Your instructor will notify you of any changes.