SI631: Agile Project management Methodologies

Instructor:

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Objectives
- At the end of this course, students should be able to:
  - Understand the agile methodologies and tools
  - Walk an organization through a process that leads to the deployment of a web site whose contents the organization can maintain over time;
  - Get a good-paying job or internship with one of the many consulting firms that offer these services.
  - Understand value propositions
  - Understand tools and processes around agile methodologies

Project Approach
We will be using an iterative development methodology. After initial requirements analysis with your team, you will write design documents and implantation plans for a prototype site

Agile Approach
This class will use an Agile approach to the term and the work with in the class. As such, projects, assignments, and topics may change.

In class Simulations
This class will use in class Simulations to provide better context and understanding around different agile principles. Some of these may extend into homework or group work.

Assignments (These will be repeated for different projects)

Deliverable 1: Understanding requirements and how they drive value
Understand the requirements in a client organization and answer the following questions.
Deliverable 2: Information Architecture and Workflow Design (These will be done once)

Deliverable 3: Client proposal
How to build a proposal this will include what you are going to do and how you will be compensated?

Deliverable 4A, B and C: Understanding Agile
Most of the work for the class will be done here.

Deliverable 5: How to fire your client
This will look into how and when to fire a client.

You will also have 3-6 response type papers throughout the semester.

Grading
All of the project deliverables will be graded.

- Deliverables 1-5 will count 30 points each.
- Response papers: 35 Points
- Class participation, attendance, and individual work, will count for 35 points
- Final Deliverables are 60 points

Your team as a whole will receive a grade on team deliverables. Team members will also be asked to evaluate each other's performance, which may lead to raising or lowering of grades for individual team members. This will be done anonymously.

Class Company
At times, we will use the fictitious company called Borromean digital. This is not a real company. We use it to provide context within simulations.

Academic Integrity Policy
UM and SI academic integrity policies apply to this course. All submitted work must be your own (or your team’s work, for group assignments). This is a team project course, and additionally, students are strongly encouraged to get feedback on their projects from other in the class and outside. Any excerpts from the works written by others must be clearly identified as a quotation, and a proper citation provided. You are free and encouraged to use software modules or styling themes contributed by others; you must acknowledge the source of any such modules you use. Any violation of the School’s policy on Academic and Professional Integrity (stated in the Masters and Doctoral Student Handbooks) will result in severe penalties, which might range from failing an assignment, to failing a course, to being
expelled from the program, at the discretion of the instructor and the Associate Dean for Academic Affairs.

**Student Mental Health and Wellbeing**
The University of Michigan is committed to advancing the mental health and wellbeing of its students, while acknowledging that a variety of issues, such as strained relationships, increased anxiety, alcohol/drug problems, and depression, directly impacts students’ academic performance.

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