# Requirements Task Learning Objectives

At the completion of this task students will be able to:

1. Analyze market intent documents and articulate the incorporated business problem(s), model/reference solution(s), and high-level requirements
2. Identify ambiguities and conflicts in requirements
3. Lead customers in resolving conflicts in needs, priorities, and mechanisms
4. Elicit and document Functional and Performance Requirements (F/P)
5. Elicit and document Operational and -ility Requirements, and (O/I)
6. Elicit and document Physical Characteristics and Design and Construction Standard Requirements (PCD/CSR)
7. Elicit, document, and refine user stories
8. Elicit common and critical scenarios and prepare fully dressed use case documentation (UC)
9. Reflect requirements to customers to achieve validation
10. Prioritize requirements based upon risk and impact.
11. Adhere to an agile, test-drive, iterative software development discipline
12. Design, implement, and perform unit, integration, and system testing.
13. Develop readable software in a high-level language
14. Utilize software tools to support the chosen discipline, such as to automate testing, manage versioning, document user stories, schedule tasks, and/or analyze and the schedule and progress
15. Manage the division of work, collaboration, and communication within a team to achieve minimal conflict, maximum productivity, and a supportive environment and robust, consistent process.
16. Manage the project, process, and client communication to ensure the client’s continual satisfaction, understanding of progress, and confidence.