Project Management Roadmap

# SDLC Model(s)

* Waterfall - This is a linear and sequential approach where each phase must be completed prior to moving on to the next step.
* Iterative - This model involves repetitive cycles of development, allowing for feedback and improvement in each iteration. Phases are often repeated until the final product is achieved with success.
* Incremental - This is more of an incremental model that divides the system into small, manageable parts (also known as increments) with each increment representing a portion of the entire system's functionality. In this approach, each increment is developed and delivered separately.
* Spiral - The spiral model incorporates elements of both iterative and incremental models. In this model, development progresses in a spiral fashion through repeating cycles of planning, risk analysis, engineering, and critical evaluation.
* Verification and Validation - Consider this an extension of the waterfall model that emphasizes the relationship between development stages and testing stages. In this model, each development stage has a corresponding testing phase.
* Agile - The agile methodology is an iterative and incremental approach that emphasizes flexibility and collaboration between cross-functional teams. When implementing an agile model, requirements and solutions evolve through collaboration and adaptation to change.
* Rapid Application Development (RAD) - The RAD model focuses on rapid prototyping and quick feedback from end-users. It involves user feedback and iterations to rapidly refine and enhance the software.