John-Luhe Speright CS 3398.001 HWS Due: 11/17/21

D service engineering process: The process of developing services for reuse inservice ariented applications. Service engineers have to ensure that the service represents a reuseable abstraction that could be useful in different systems.

Service condidate identification: where the engineer identifies possible services that might be implemented and define the service requirements.

Service design: where you design the lugical service interface and its implementation interfaces (SOAP-based and/or RESTAU).

Service implementation and deployment: Where you implement and test the service and make it available for use. This is the final stage of the service engineering process that involes programming the service using a language such as Java or C#. Some times a service may be domposed of augmented legacy code.

Service requirements: The functional service requirements should define what the service should do. Operation and parameters within an abstract interface design.

service interface specification: The entitles and operations must be identified and drafted into an abstraction that creates the service parameters. If soaf-based service are used, you have to design input and output messages. If RESTAUI services are used, you have to think about the resources required and how the Standard operations. Should be used to implement the service operations.

validated and deployed service: The software has been deployed to the customer after management validates its production,

E) project planning process—This is an iterative process that starts when you create an initial project plan during the project startup phase. Project managers are responsible for planning, estimating, and scheduling project development and assigning people to tasks.

Identify contraints: constraints can include the bubbet, staffing, and training insufficiencies that may impede upon prodution. Managers must work within

these constraints in order to accomplish development.

Identify Risks: Project, product, and business risks may affect teams productivity. These include technology risks, organizational risks, people risks, requirements risks, estimation risks, and tools risks.

Detrne milestones and deliverables: A project milestone is a predictable outcome of an activity or set of activities. This component consists of a formal progress report of progress that will be presented to management. A deliverable is a work product that is delivered to the customer.

Define Project schedule: The senedule displays the project being broken into tasks of sufficient size. Each task should take about a week or two to complete.

((system)) Project Planner: 1. program that oversees the project whedule being defined and the phases that follow.

Do the work: This step (really instrivates the labor required to complete the task at hand.

Monster Progress against plan: Progress made during production needs to be compared to the plan concurrently.

Instructe Risk mitigation actions: If there are serious problems with the development work that are likely to lead to significant delays, risk mitigation must follow. This involves actions that reduce the risks of project farlue.

Replan Project: In conjuction with the actions of the risk mitigation, the rengotration of project constraints and deliverables follow. A new shedule of work should be established and agreed upon by the customer.

- 3) Rish Monitoring: This action involves the regular risk assessment followed by planning for risk mitigation. The timely assessment of whether or not a risk is becoming more or less probable is imperative during this process.
 - (EXI) Estimation; Failure to meet a gread schedule and failure to Elear reported defects.
- (ex) Technology: late delivery of herdware or support software; many reported technology problems.

(4) Kanban Board: A kanben board is one of the tools that can be used to implement Itanban to manage work at a personal or organizational level. Kanban boards ursually depret work at varrous stages of a process using cards to represent work items and columns to represent each Stage of the process.