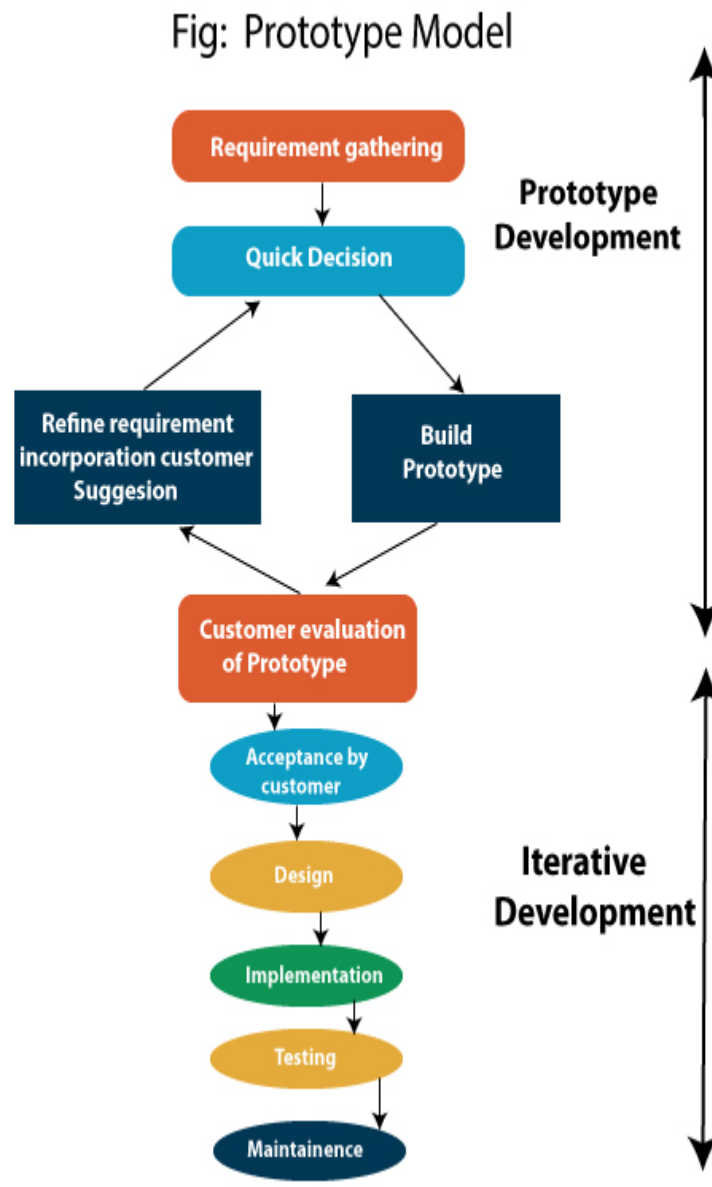


ASSIGNMENT ON SDLC MODEL

- ❖ Qu1:- Discuss the prototyping model. What is the effect of designing a prototype on overall cost of project?

Ans. The prototyping model is a systems development method in which a prototype is built, tested and then reworked as necessary until an acceptable outcome is achieved from which the complete system or product can be developed.



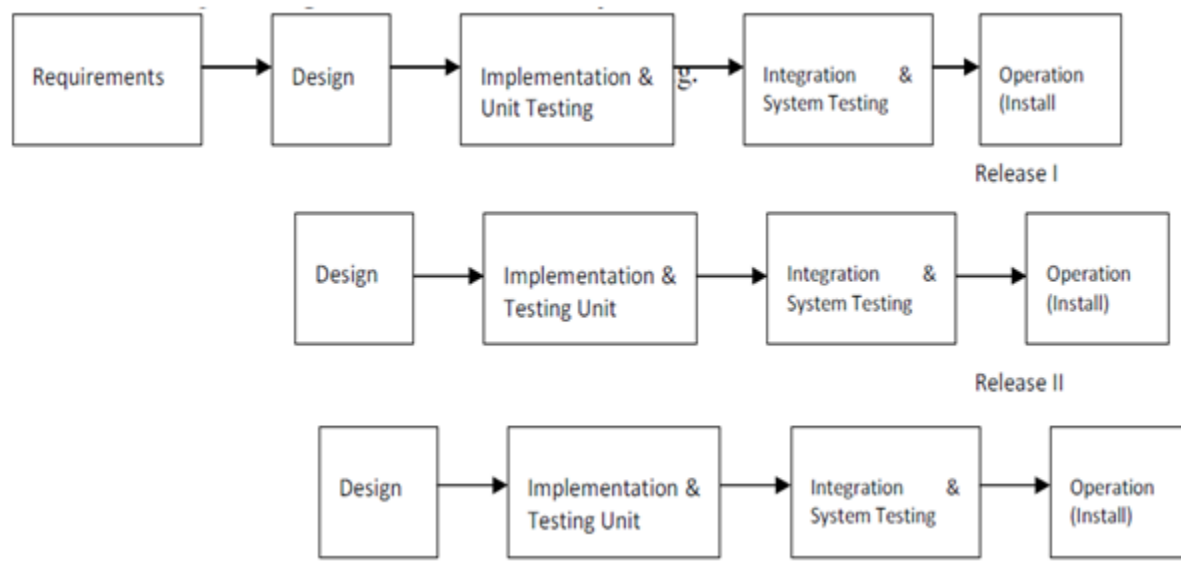
So, the effect of designing a prototype on the overall cost of a software project is to actually **reduce the additional costs of restructuring and reframing it after its full-fledged development-** which might cost a fortune.

Qu.2.. compare iterative enhancement model and evolutionary process model?

Ans.

iterative enhancement model

- ❖ This model has the similar phases as the waterfall model, but with fewer restrictions. In general the phases occur in the same order as in the waterfall model but these may be conducted in several cycles. A utilizable product is released at the end of the each cycle with each release providing additional functionality.



Evolutionary Development Model:-

Evolutionary development model bear a resemblance to iterative enhancement model. The similar phases as defined for the waterfall model occur here in a cyclical fashion. This model is different from iterative enhancement model in the sense that this doesn't require a useable product at the end of each cycle. In evolutionary development requirements are implemented by category rather than by priority.

Qu.3 As we move outward along with process flow path of the spiral model, what can we say about software that is being developed or maintained

Ans.

- ✚ The Spiral Model is a software development process model that is risk-driven. It is a hybrid of the waterfall and iterative models. The Spiral Model assists...
- ✚ At each level of the spiral the actual software which represents the solution is considerably more complex. In...

Qu.4. Explain the scrum Agile Methodology.

Ans. Agile scrum methodology is used by companies of all sizes for its ability to provide high-end collaboration and efficiency for project-based work. Agile and scrum are two different methods and can be used separately; however, their combined benefits make the agile scrum methodology the most popular use of agile. Here's the complete guide to agile scrum methodology.

How does agile scrum work?

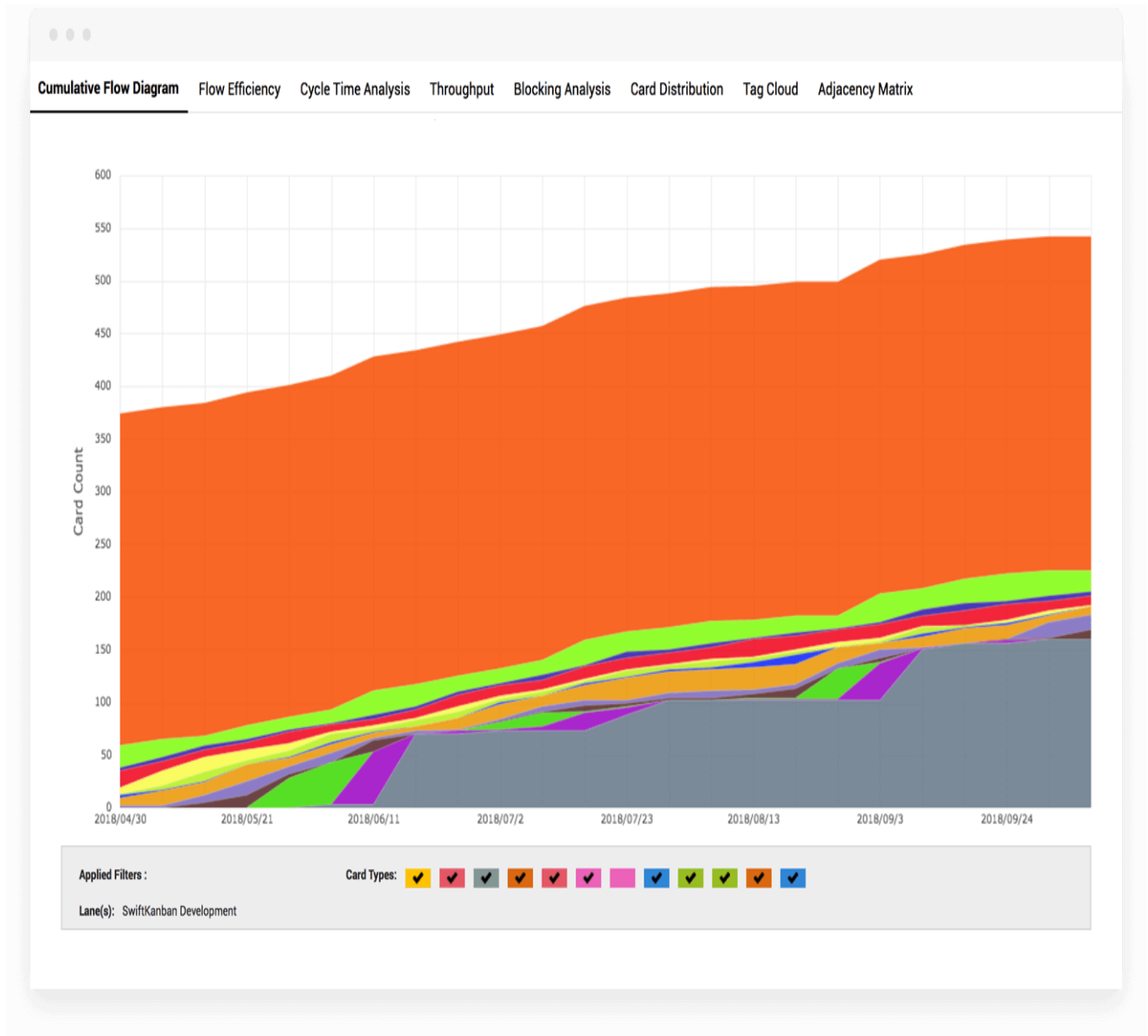
- Agile scrum methodology is the combination of the agile philosophy and the scrum framework. Agile means "incremental, allowing teams to develop projects in small increments. Scrum is one of the many types of agile methodology, known for breaking projects down into sizable chunks called "sprints." Agile scrum methodology is good for businesses that need to finish specific projects quickly.
- Agile scrum methodology is the combination of the agile philosophy and the scrum framework. Agile means "incremental, allowing teams to develop projects in small increments. Scrum is one of the many types of agile methodology, known for breaking projects down into sizable chunks called "sprints." Agile scrum methodology is good for businesses that need to finish specific projects quickly.
- other project management methods emphasize building an entire product in one operation from start to finish, agile scrum methodology focuses on delivering several iterations of a product to provide stakeholders with the highest business value in the least amount of time.
- Agile scrum methodology has several benefits. First, it encourages products to be built faster, since each set of goals must be completed within each sprint's time frame. It also requires frequent planning and goal setting, which helps the scrum team focus on the current sprint's objectives and increase productivity.

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Qu.5. Explain the utility of kanban cfd report?

Ans:

- ❖ CFD charts are a powerful tool that Kanban teams can use to measure flow and analyze trends about a team's performance. Think of a CFD chart as a storyteller. It paints a picture of how workflows through your Kanban system within a period.



- Cumulative Flow Diagram is an analytical tool, fundamental to Kanban method. It allows teams to visualize their effort and project progress. When there's an impediment about to occur within the process - the CFD is where you'll see it first. Instead of the graph staying smooth and rising gently, there will be a bump, a sudden ascend or descend. So, where being able to predict problems is concerned, this is the very graph you need.