Post session exercise -2

1. How to make a cup of tea? (in SDLC Form)

* Planning stage – Revisit

Objective is going to make tea

Get experts ideas for the domain

* Analysis stage - User’s problem requirement

Not assuming but asking the user what to build?

Discuss, understand and improve the context

* Design stage - Ask from the user

(Availability of sugar/milk/tea leaves)

Key point: Input, analysis, resources, waste and cost

**Directions:**

1. Boil water in a saucepan.
2. Add sugar and tea powder in it and boil it for 3-4 minutes on medium flame.
3. Add milk and boil it over medium flame for 6-7 minutes or until bubble starts to rise. You will see the change in color of the tea from milky shade to brown shade when it is ready.
4. Turn off the gas and strain tea in cups

* Development stage - Logical sequence

Set of steps design (should not miss any steps here)

* Do it

Implement/ execute it

* Testing stage - Testing - check

Finding errors and debug it

* Maintenance stage - Give the user

Getting the user’s feedback

* Integration stage - do it again

Improve the changes and do it

1. Discuss the SDLC steps in brief?

* Requirement analysis

Importance: Identify what are the current problems?

Activities carry out: getting input

Different roles involved: Learn the strengths and weaknesses of the current system with improvement as the goal.

The artifacts created: collection of data

* Planning

Importance: plan what do we want?

Activities carry out: the team determines the cost and resources required for implementing the analyzed requirements

Different roles involved: the team should determine the feasibility of the project and how they can implement the project successfully with the lowest risk in mind.

The artifacts created: it also details the risks involved and provides sub-plans for softening those risks.

* Software design such as architectural design

Importance: how will we get what we want?

Activities carry out:  turning the software specifications into a design plan called the Design Specification.

Different roles involved: All stakeholders then review this plan and offer feedback and suggestions.

The artifacts created: Design Specification.

* Software development

Importance: create what we want

Activities carry out: the actual development starts.

Different roles involved: It’s important that every developer sticks to the agreed blueprint. Also, make sure you have proper guidelines in place about the code style and practices.

The artifacts created: define a variable naming style

* Testing

Importance: Did we get what we want?

Activities carry out: test for defects and deficiencies.

Different roles involved: fix issues until the product meets the original specifications.

The artifacts created: verify if the code meets the defined requirements.

* Deployment

Importance: start using what we got

Activities carry out: the goal is to deploy the software to the production environment so users can start using the product.

Different roles involved: many organizations choose to move the product through different deployment environments such as a testing or staging environment.

The artifacts created: the final product

1. <http://www.keellssuper.com/> visited!

THANK YOU

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