

SOFTWARE ENGINEERING PRINCIPLES

DIGITAL ASSESSEMENT – 1

THEORY

**NAME:KAVIN KUMAR R
REGNO:19MIC0082**

WORK BREAKDOWN STRUCTURE

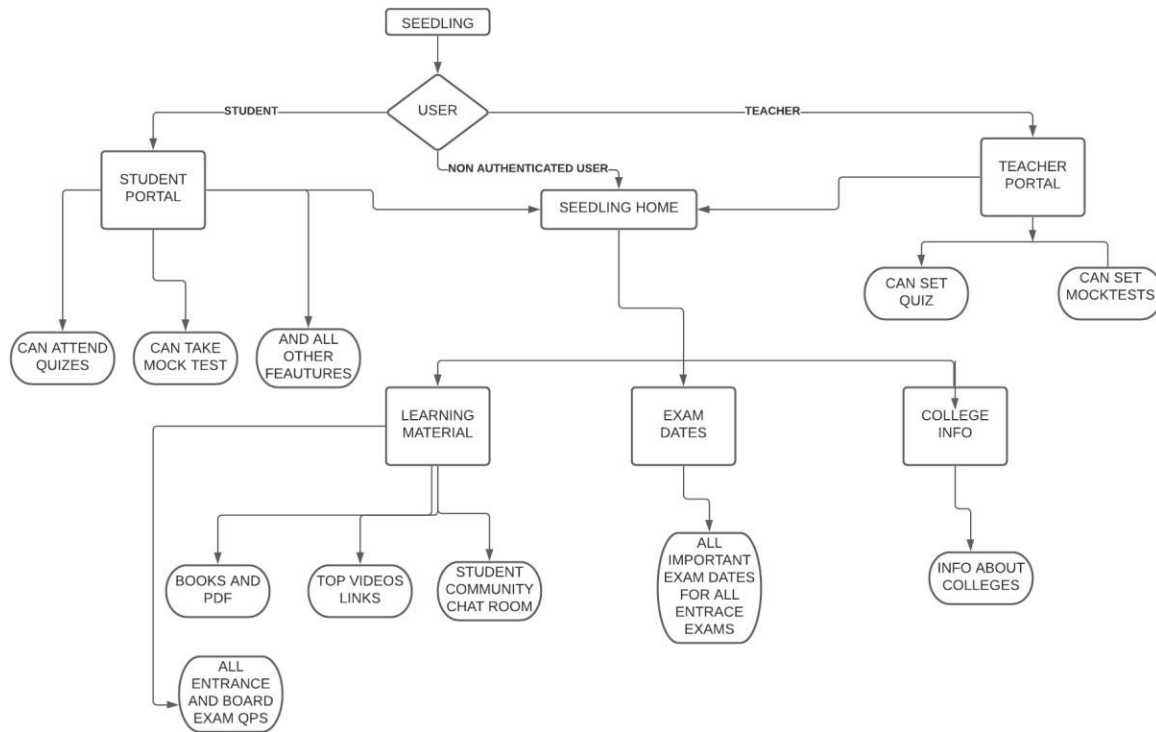
TOPIC: SEED SITE

Team members :

KAVIN KUMAR R - 19MIC0082

SATHYA PRAKASH RAI S - 19MIC0110

KARTHICK J - 19MIC0118



Uml is done with lucid chart

SEED SITE:

The main motive of this site is to give maximum information to students about their higher studies .

Users:

Students of class 10,11 and 12

Informations :

- Login credentials
- Exam date
- Application start and end dates
- Fees structure of colleges
- E-library and video lectures
- Rankings of universities
- Mock exams

PROJECT TITLE:
SEED

TEAM:

KAVIN KUMAR R 19M1C0082
JATHYA PRAKASH EM 19M1C0110
KARTHIK J 19M1C0118

OBJECTIVES:

- * To Help board students to find all the useful resources in one place.
- * To get Notify about Upcoming entrance exams.
- * To take quizzes & mock tests for All type of Entrance Exams.
- * To get Notify about all Entrance exam dates.

Features:

- * Have Students Registration to get notify.
- * Have quizzes & all resources students Need.
- * Top educational video references.

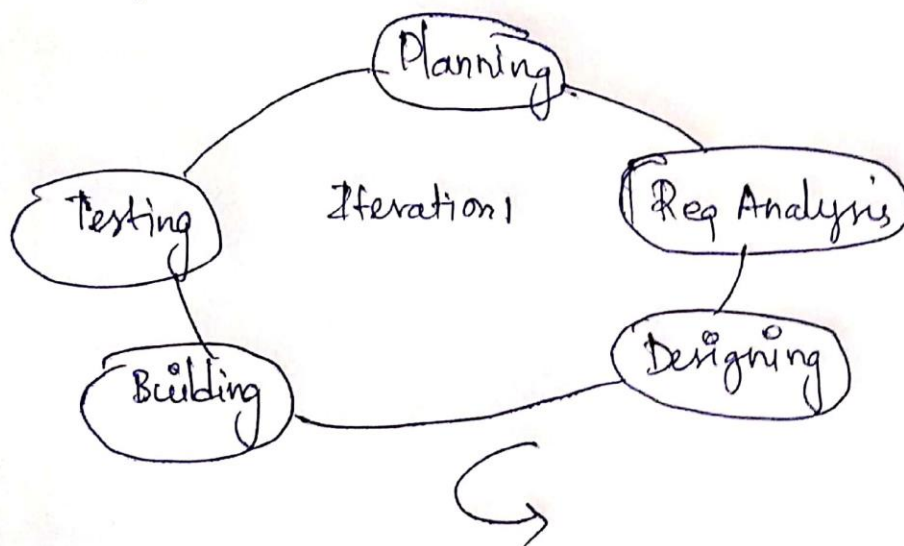


Agile:-

Agile model believes that every project needs to be handled differently and the existing methods need to be tailored to best suit the project requirements. In agile, the tasks are divided to time boxes (small time frame) to deliver specific features for a release.

Iterative approach is taken and working software build is delivered after each iteration. Each build is incremental in terms of features; The final build holds all the features required by the customer.

Diagram:-



Iteration 2 (Same process)
→ Iteration 2

Principles of Agile:-

- * Individuals & Interactions
- * Working Software
- * Customer Collaboration
- * Responding to Change.

UML TOOLS:

1)Edraw Max

Edraw Max is a UML builder software that helps you to make diagrams using ready-made symbols and templates. It allows you to import your drawings to file formats such as PDF, PPT, Word, HTML, etc.

Features:

- You can create a flowchart, mind map, UML, electrical diagrams, network diagrams, etc.
- It provides a user-friendly interface similar to MS Word.
- Edraw Max helps you to share designs anytime, anywhere.
- This tool provides 280+ latest flowchart and diagram solutions.

2)Magic Draw

Magic Draw is the first comprehensive version for professional modeling. Modern design and clear layout set this desktop app apart from the rest a proprietary for high demands.

Features:

- Constantly added new features based on the feedback given by the users
- Floating licenses help you to save significantly if you have multiple developers that you need to use MagicDraw for a specific period of time.
- Once purchased you can run the software in various applications.
- Magic draw expert team offer 24 hours free support.
- The learning is straightforward and the learning period is short.

3)Visio

Microsoft Visio is a popular chart and visualization software. It belongs to office family so it can easily be integrated with other Microsoft office products.

Features:

- Visio helps you to create professional diagram by creating flowcharts, diagrams, org charts, engineering designs, and more.
- Allows you to connect flowcharts and diagrams to real-time data.
- It allows you to work together on diagrams from a web browser, from almost anywhere.

4)ConceptDraw

ConceptDraw DIAGRAM offers a complete range of business graphic documentation solutions. These UML solutions offer business-specific add-ons which offer an extensive variety of workflow requirements.

Features:

- ConceptDraw DIAGRAM v12 offers powerful and comprehensive drawing tools.
- Helps you to empower your communication processes and improve your presentation techniques.
- The tool is an ideal suite for building plan software.
- You can use very important business metrics and track with live object technology.

5)StarUML

StarUML is a UML diagram modeling tool. It is one of the best UML software that provides eleven types of diagram. StartUML 2 is compatible with UML 2.x versions.

Features:

- Allows you to create Object, Use case, Deployment, Sequence, Communication, Activity, and profile Diagram.
- This UML diagram software allows you to discover and install third-party extensions.
- Work with same UX in multiple platforms including macOS, Windows, and Linux.
- No limit for using this commercial software for evaluation.

6)Umbrello

Umbrello is a UML modeling tool. It runs under KDE and Linux. It is one of the best UML diagram tool which supports code generation as well as reverse engineering for C++ and Java.

Features:

- It allows you to create diagrams of software and another system in a standard format
- It helps you to check the screenshot to see umbrello in action.
- Offers handbook to give instruction to Umbrello and UML modeling.

7) UML Designer Tool

UML Designer tool offers a set of common diagrams to work with UML 2.5 models. The tool provides an easy method for the transition from UML to domain-specific modeling.

Features:

- Allows user to re-use provided representations and work in total transparency on both DSL and UML models
- This UML software helps you to create a Class diagram, Component Diagram, and composite structure Diagram
- This UML diagram software allows you to use legacy UML models and start working with DSL.

8) Altova

Altova UModel is another useful UML tool which makes visual software design practical for any project. Visually design application models in UML which can be generated using Java, C++, C#, or Visual Basic.

Features:

- Intuitive Visual Modeling for all UML Diagrams
- Helper windows allow you to build your desired models.
- It allows you to add hyperlinks to any element in any UML diagram.
- You can assign an element to the specific layer, and layers can be locked to prevent changes.

9) Umple

Umple is an open source model for integrating textual UML constructs in programming languages, code generation or using simple UML modeling method.

Features:

- It allows developers to embed modeling concepts patterns, generation templates, and other abstractions in traditional code.
- Umple tool helps users to learn UML faster.
- The tool can work online, as Eclipse plugin, and also stand-alone command-line Jar.

10) Lucidchart

Lucidchart is HTML-5 based UML tool which also offers real-time collaboration capabilities. It is one of the best UML modeling tools that allows you to create a simple flowchart to complex technical diagrams.

Features:

- Works with your team on any device across various platforms
- Allows you to connect live data with your diagrams or import data to automatically build organization charts
- Helps you to increase security and easily manage user accounts
- It is Integrated seamlessly with MS office, G suite, Atlassian, etc

For our project we using lucid chart,because we find out it is easy to use and have all the latest feautres