Takshashilaa college, Vadodara

Project Guidelines

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[Project coordinator]

What is Project?

- Projects are efforts to achieve objectives

- Projects have a start, a middle and an end

- There are core skills involved in project management including identifying and agreeing on project objectives, scheduling and estimating.

Conti…

- In addition other issues such as managing risk, communication and dealing with other people are key areas of importance

- Whatever the nature of the project there are three core issues which need to be addressed:
  - Quality
  - Cost
  - Time

Types of Project

- ## Desktop Application
  - a desktop application means any software that can be installed on a single computer (laptop or a desktop) and used to perform specific tasks. Some desktop applications can also be used by multiple users in a networked environment.
  - Word processors and media players can be considered to be typical desktop applications

- ## Web-Based Application
  - Web application development is usually made on client-server architecture and use a web-browser as the client interface.
  - online shopping cart on an ecommerce website can be considered as a web application.

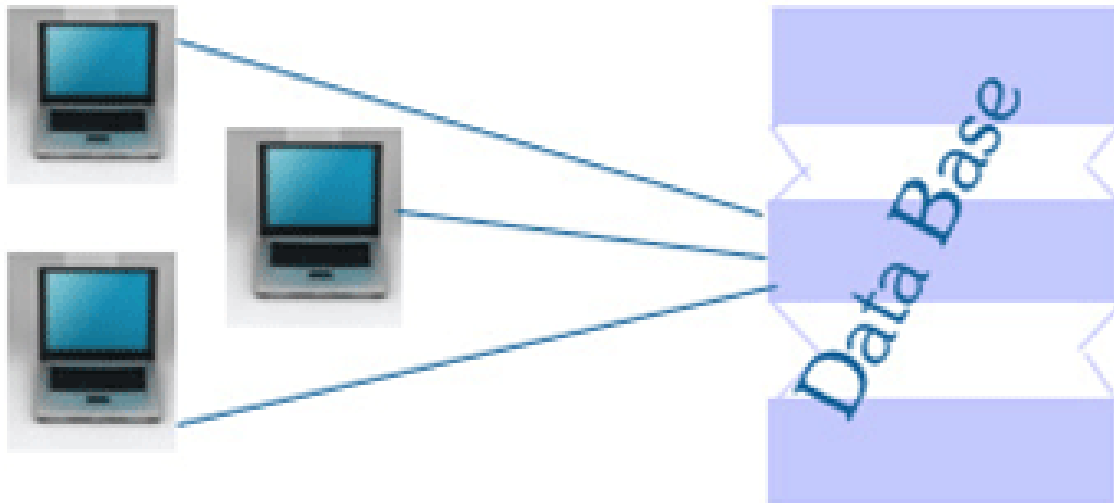# Types of Model

- Waterfall
- Prototype
- Spiral

Architecture

- 2-tier
- 3-tier

Two-Tier Architecture

- The two-tier architecture is like client server application. The direct communication takes place between client and server. There is no intermediate between client and server.

Conti…

- The above figure shows the architecture of two-tier. Here the communication is one to one. Let us see the concept of two tier with real time application. For example now we have a need to save the employee details in database.

- The two tiers of two-tier architecture is
  - Database (Data tier)
  - Client Application (Client tier)

Conti...

- So, in client application the client writes the program for saving the record in SQL Server and thereby saving the data in the database.
- **<u>Advantages</u>**:
  - Understanding and maintenances is easier.
- **<u>Disadvantages</u>**:
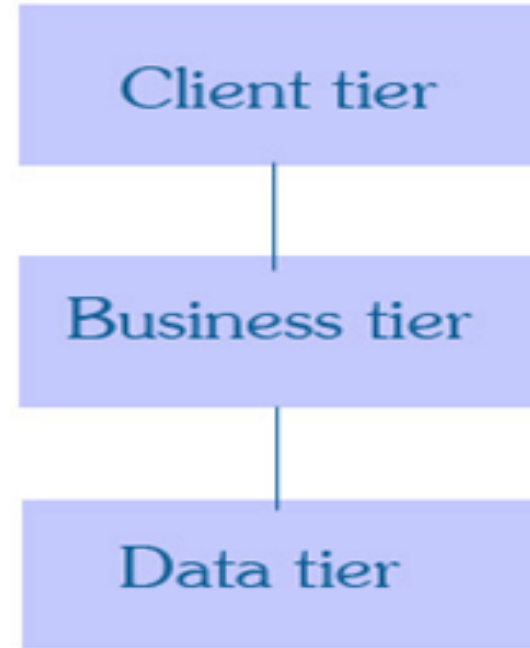 - Performance will be reduced when there are more users.

Three-Tier Architecture:

- Three tier architecture having three layers.
- They are:
  - Client layer
  - Business layer
  - Data layer
- **<u>Client layer</u>:** Here we design the form using textbox, label etc.
- **<u>Business layer</u>:** It is the intermediate layer which has the functions for client layer and it is used to make communication faster between client and data layer.

Conti...

- It provides the business processes logic and the data access.

- **Data layer:** it has the database.

- **Advantages**
  - Easy to modify with out affecting other modules
  - Fast communication
  - Performance will be good in three tier architecture.

Client tier
Business tier
Data tier

Tools & Technology.

- Java based technology
  - Desktop : Core java (J2SE)
  - Web-based: JSP, Servlet(J2EE)
- .NET based technology
  - Desktop : VB.NET With VB
  - Web-based: ASP.NET with VB or C#
- PHP based technology
  - Web-Based

What is Module?

- A module is a part of a Project. Project is composed of one or more independently developed modules that are not combined until the module is linked. A single module can contain one or several routines.

- A module for a software project is nothing but a group of programs working together to achieve a common objective.

Project Phases

- Requirement Gathering
- Analysis
- Designing
- Coding
- Testing
- Maintenance

Project Norms

- Prepare CV (Curriculum Vitae) with your detail information.

- Group Size - Minimum of 2 persons and maximum of 3 persons per group

- The college will provide you two sets of student's name list. One has to choose the partner from the other set only to make a group.

- Students are not allowed to change their group partners after selection.

Conti…

- Two months are allotted for the project.
- Students are not allowed to change their group partners after selection.
- Students have to submit

 1) The Joining Report

 2) Project Title Report

 3) Bi-weekly(15 days) Progress Report

 4) Project Completion certificate from org. (after completion of project)

 5) Project Completion certificate from c

 6) Documentation of Project as per the] provided by college.

Conti…

- Your Project will not be considered without the above reports. You have to submit the all above reports.

- Each group must report to the respective project guide weekly.

- Attendance marks will be cover in internal marks of project.

Conti...

- Each student must have to submit the leave granting application along with genuine reason. And incase of Medical crises you have to submit Medical certificate of MBBS Doctor.

- Last date of Deciding Group Partner & Organization with joining letter 10th January, 2013.

Marking System

- ## Internal Exam
  - Total 90 marks
    - Project Guide (60 marks)
      - Presentation Skill [20 marks]
      - Documentation [20 marks]
      - Attendance [10 marks]
      - Team Work & Reporting [10 marks]
    - Project Coordinator (30 marks)
- ## External Exam
  - 210 marks

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Best of Luck