Welcome

Mr. Ken Swarner

Software Plan Presentation
September 26, 2003
Mirage Incorporated

Presented by:

Lauren Englisbe, Introduction and Conclusion

Richard Connell, Problem Definition

Jayme Gresen, Project Plan

Mirage Incorporated

Paul Aiuto, Systems Administrator

Richard Connell, Webmaster

Lauren Englisbe, Team Leader

Jayme Gresen, Librarian

Jeff Habiniak, Database Administrator

Problem Definition

- We would like a colorful web-based application to show the different components of an IP data packet

- Our application should have the ability to switch between binary, octal, and hexadecimal bases to show data

- The program should allow users to examine the different components of a packet.

System Justification

- An application to describe Transmission Control Protocol/Internet Protocol (TCP/IP) will make it an easier task to decipher what is contained in an information packet.

- Can be used as a classroom aid to enhance students' exposure and understanding of TCP/IP.

Constraints

- The program must be able to run on both Linux and Windows platforms
- Must be web-based
- April 2004 deadline

Programming Resources

- We will be using:
  - ☐ Oracle for Database Management
  - ☐ Microsoft Visual C++ for the backbone of the programming of the operation (perhaps GUI as well), PHP for web use
 - ☐ Dreamweaver for web design

System Acceptance Criteria

- The web-based program will allow for a number of activities:

  - ☐ Students may monitor the packets to verify they made it to the desired destination

  - ☐ Students may see the contents of a packet in a graphical form

  - ☐ Access allowed to everyone with a web browser

  - ☐ Students will be able to see the model in a clear, precise manner

Project Plan

Mirage Incorporated: Software Plan
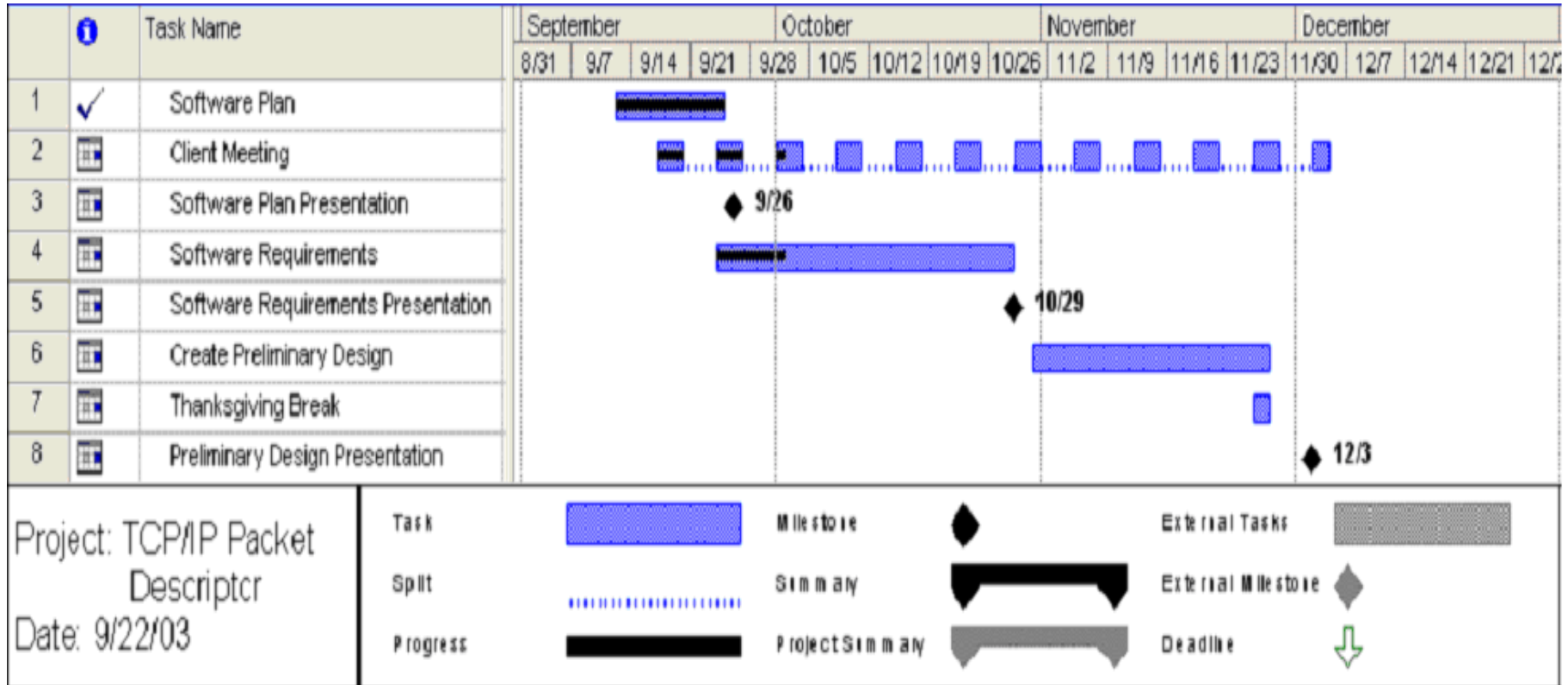
Linear Sequential Model
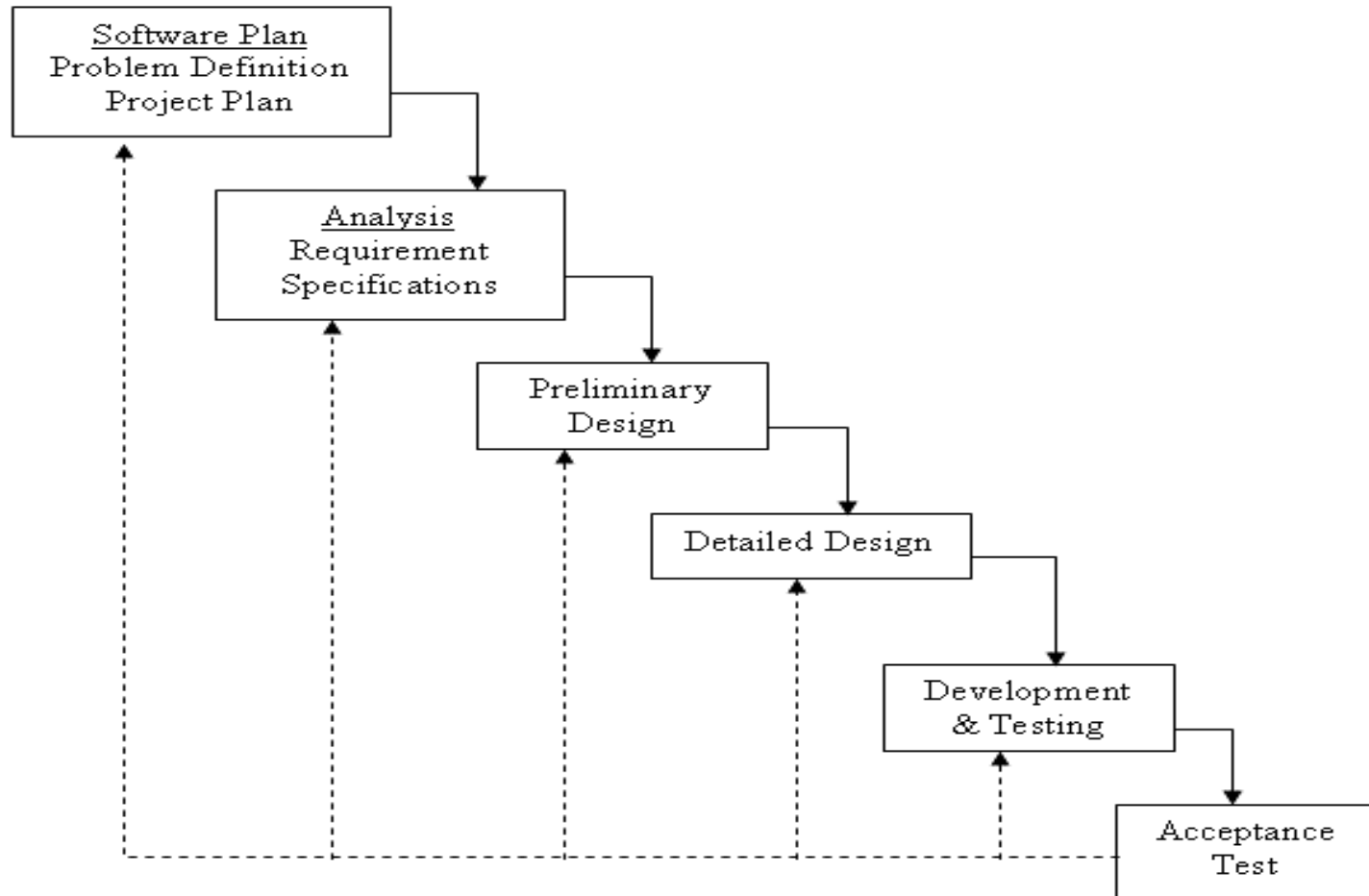
Team Organization & Resource Requirements

- Democratic Decentralized Team Structure

- Resource Requirements
  - Database Management System (Oracle)
  - Web page editor (Dreamweaver)
  - Dr. Tim Lederman
  - Mr. Ken Swarner, our client

Development Schedule

Supporting Documents

- ## Software Requirements Specifications
  - ☐ Document: October 29, 2003
  - ☐ Presentation: October 31, 2003

- ## Preliminary Design
  - ☐ Document: December 3, 2003
  - ☐ Presentation: December 5, 2003

Summary

Mirage Incorporated: Software Plan