Welcome

Mr. Ken Swarner



Requirements Specification Presentation October 31, 2003 Mirage Incorporated

Presented by:

Lauren Englisbe, Introduction and Conclusion Paul Aiuto, General Description Jeff Habiniak, Specific Requirements



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Jayme Gresen, Librarian
Jeff Habiniak, Database Administrator

General Description



Product Perspective and Product Functions

- A graphical representation of given Internet packets
- Will display multiple packets and frames in their hierarchical order
- Information for each packet obtained by a mouse click
- Will run independently of platform



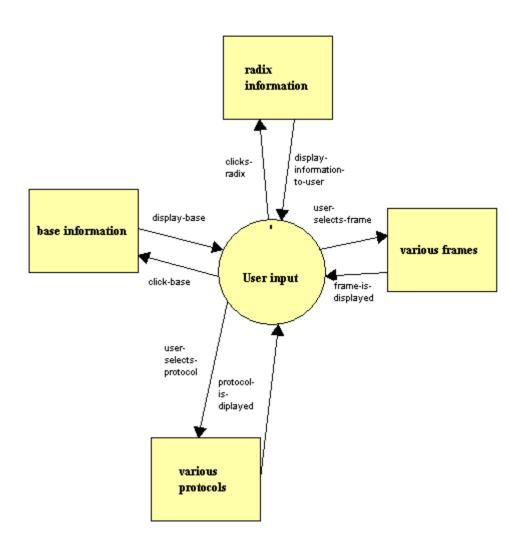
- Must be able to view all the information on the monitor with minimal scrolling
- Must be able to display the software on a projector
- Will obtain information through mouse clicks
- Expected to have little or no knowledge of packets and protocols.

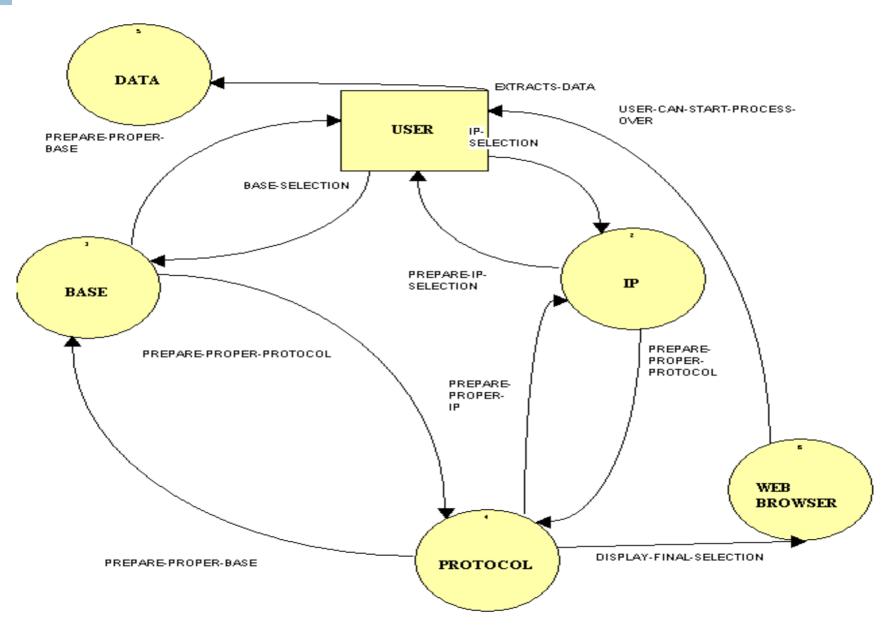
General Constraints

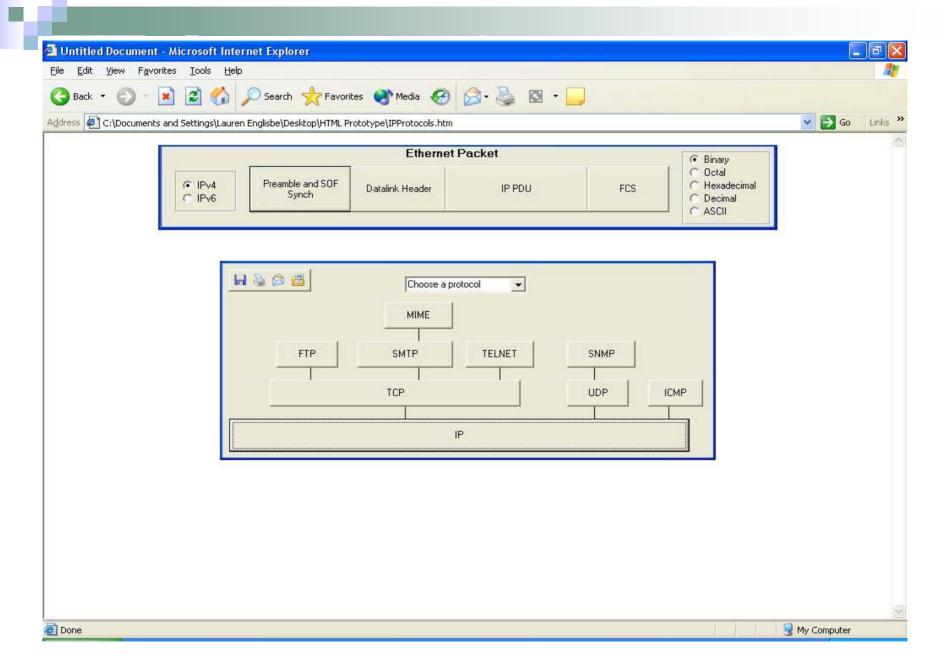
- Size of team
- Amount of time available

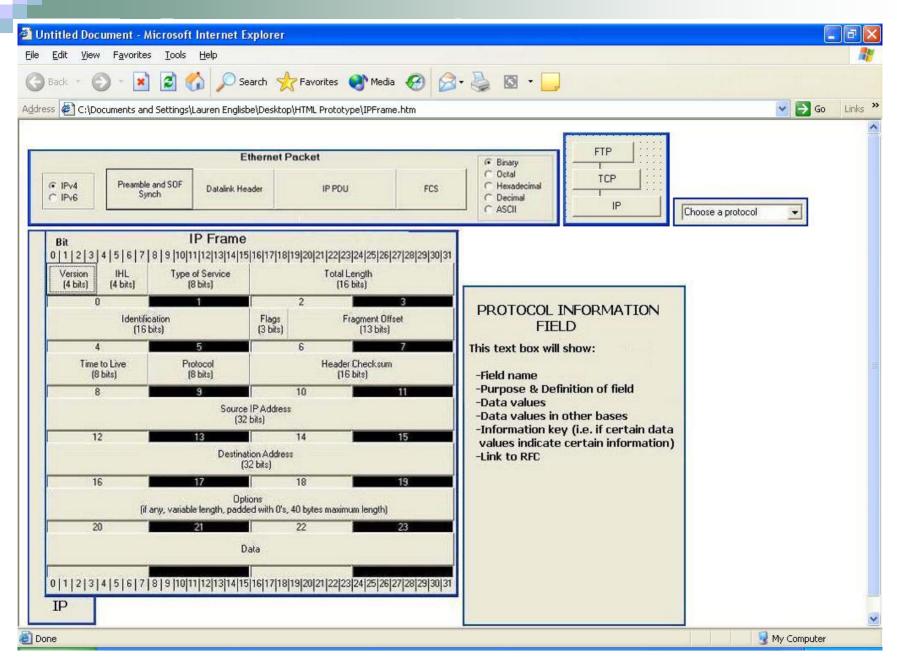


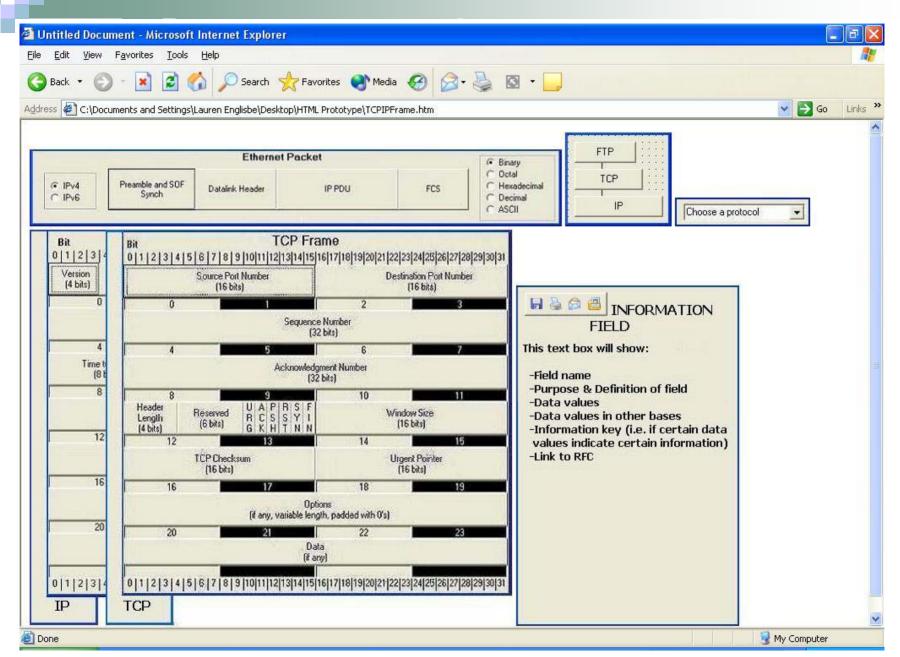
Level Zero Diagram

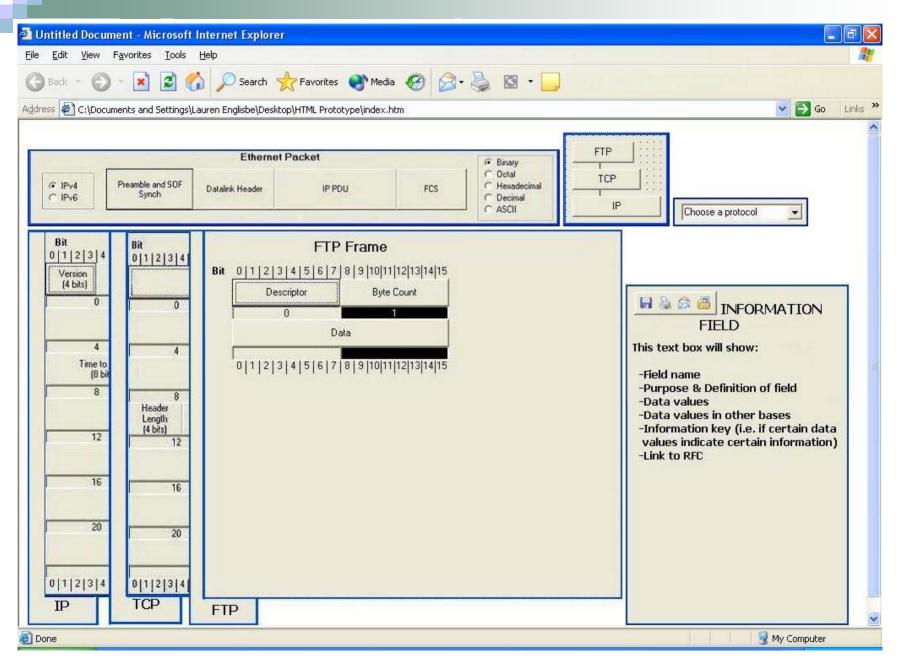










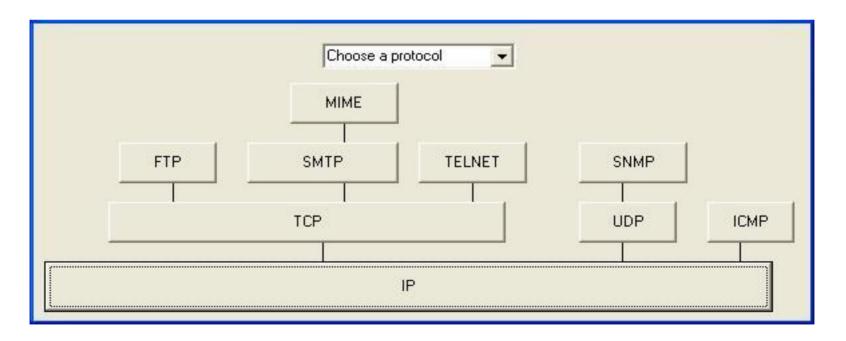


Specific Requirements

Functional Requirements

- Load various protocols
- GUI will display protocol components
- Visible menu allows users to go back to previous protocols
- Dynamic combo menu on hierarchical tree

Show how different protocols are interrelated



- Ability to change an independent field or all fields of the protocol into a desired radix
- Ability to display different protocols
- Produces message box to give more information when user clicks on a field
- Link to RFC number for TCP/IP standard protocols

External Interface Requirements

 Macromedia Dreamweaver for GUI, mated with PHP for functionality

Design Constraints

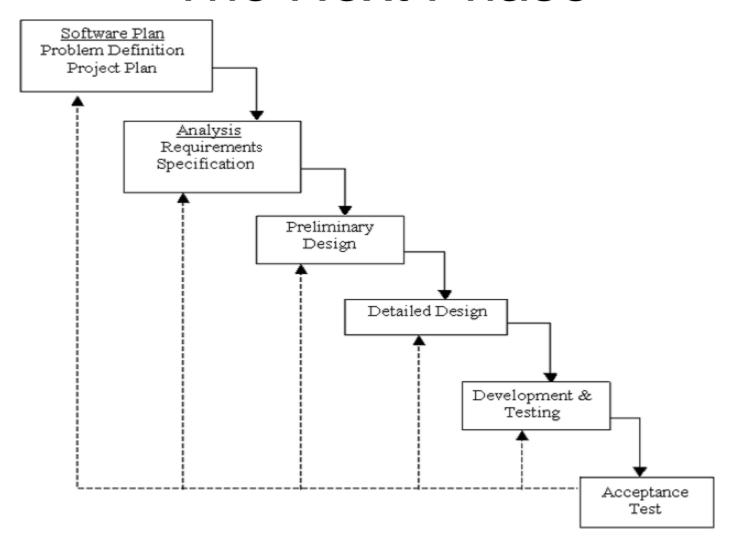
- Descriptor must be web-based
- Hosted on Ares Siena College server
- Microsoft Internet Explorer 5.0 or higher and Netscape Navigator 7.1

- Clearly presentable on 1024x768 classroom projector screens
- Clear colors for boxes, fields, values, etc.
- Fields should not obscure other fields
- Minimum amount of scrolling for better presentation

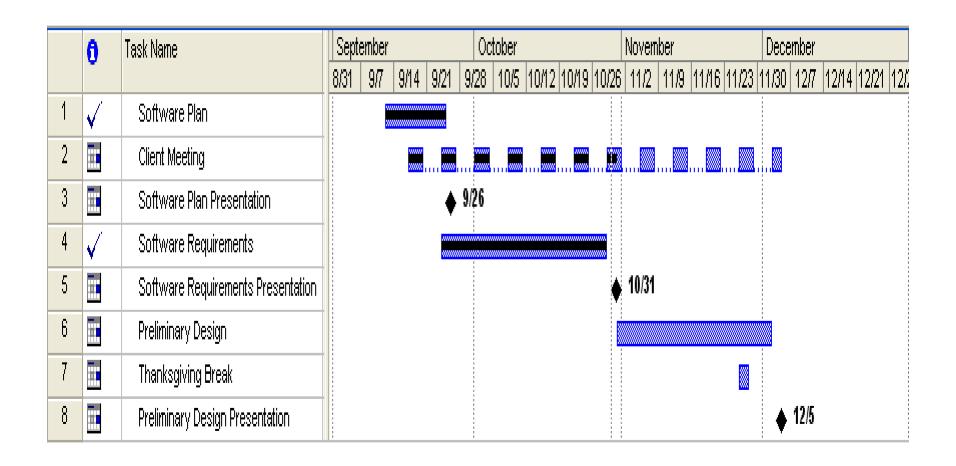
Other Requirements

We would like to make the TCP/IP Packet Descriptor robust enough for future Software Engineering teams to expand upon the program as the client desires.

The Next Phase



Timeline



Thank you!