

# Omni Access

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CS699 STAGE III PRESENTATION

# Outline

- 1 Motivation
- 2 Problem Definition
  - Objectives
  - Block diagram
- 3 Features Provided
  - Features
  - Member Contributions
- 4 Scope
  - Scope
- 5 Future Work
  - Future Work

# Motivation

- Need of the user to be in constant touch with the data stored on his computer.
- So why not store all the important files online!
- Also if your friend wants some file you have, why not share it online!
- And what if you could access your files right on your mobile!
- That's what Omni Access is all about!

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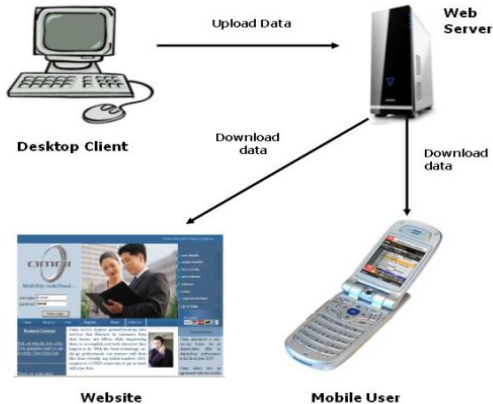
# Objectives

- Implement an online File Sharing system using ROR
- Implement user registration, authentication, file upload and download directly through the browser
- Implement single user and group sharing mechanisms
- Convert PDF documents to a series of jpeg images for viewing on mobile

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# Block Diagram



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# Features

- User Registration and Authentication
- Uploading and Downloading of Files
- Accessing files on mobile using a GPRS connection
- Viewing pdf files as a series of JPEG images

# Features

- Sharing files with individual users
- Creating and maintaining groups
- Sharing files on a group level basis
- Search Files from the owned as well as the shared files

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## Work Distribution

We had distributed our responsibilities as follows:

- Manan:- User Registration and Login, Sharing and Searching mechanisms
- Harshad:- File Uploading and Downloading in the Web-site and pdf-jpeg conversion
- Vishal:- Database Design (deciding on the tables and their schemas) and Web front-end design including the WAP site.
- All the three of us participated in brainstorming sessions to work out the application logic design, database design and

# Effort Estimation

Number of hours spent per person on the project upto now

- Manan:- 30-35 hrs.
- Harshad:- 25-30 hrs.
- Vishal:- 25-30 hrs.

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# Scope

- The current system only allows one file to be uploaded at a time
- The current system implements Unsharing mechanism on a global level.
- Only pdf files are being converted into jpeg images

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# Future Work

- Sharing and uploading on a folder level basis
- Checking of user account quota
- Convert other File types into jpeg images for example .doc, .ppt
- Deploying security mechanisms on the mobile device using a J2ME application