

## File Upload in Web Applications

- Homework submission in CSNS
- File attachments in GMail
- User profile photo in web forums
- Online video, picture, file management applications ...

## File Upload – The Form

<form action="FileUploadHandler" method="post" enctype="multipart/form-data">

First file: <input type="file" name="file1" /> <br /> Second file: <input type="file" name="file2" /> <br />

<input type="submit" name="upload" value="Upload" />

</form>









## Email in Web Applications

- Recover account information
- Various notifications, reminders, news letters ...



















## Deploy WAR Files to a Tomcat Server

- Place the WAR file under a specific directory
  - webapps for Tomcat
  - autodeploy for GlassFish
- Manager console or web interface