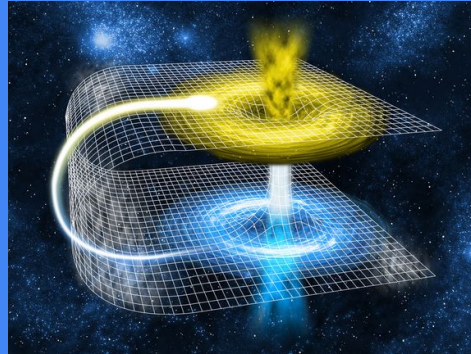


# Wormhole

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# Requirements

ID	Date added	Priority	Description
REQ1	12/07/15	ESSENTIAL	Wormhole shall have a web based or local client for user interaction.
REQ2	12/07/15	HIGH	The client shall have a form of login and registration for new and existing users.
REQ3	12/07/15	ESSENTIAL	The user shall have the ability to upload and download files from a server.
REQ4	12/07/15	HIGH	The user shall be able to download files or upload files from multiple computers.
REQ5	12/07/15	MEDIUM	The files shall be encrypted prior to being uploaded.
REQ6	12/07/15	LOW	Wormhole shall allow the ability to share files amongst users.

# Use Case #1

Use Case UC-#	Use Case #1 - Registering for Wormhole
Related Requirements	REQ1 / REQ2
Initiating Actor	Client/Customer/End-user
Actor's Goal	Register for a unique Wormhole ID and password.
Participating Actors	Working Tomcat servlet / backend.
Preconditions	Ability to launch our front-end GUI from the web or desktop (currently undecided).
Postconditions	Created a unique user ID and password for Wormhole.
Flow of events for main success scenario	<ol style="list-style-type: none"><li>1. The initiating actor selects the register button.</li><li>2. The initiating actor chooses a username and password.</li><li>3. The server registers the username and associates it with a specific password.</li><li>4. The user will then receive confirmation on a successful registration attempt.</li></ol>
Flow of events for extensions	<ol style="list-style-type: none"><li>1. User enters pre-existing username, the server will notify the user that the username has been taken and to try a new one.</li><li>2. The confirmation password doesn't match the initial specified password, the user will be prompted to re-enter the password.</li></ol>

# Use Case #3

Use Case UC-#	Use Case #3 - File Upload to Wormhole
Related Requirements	REQ 2/3
Initiating Actor	Client/Customer/End-user
Actor's Goal	File to be stored on server
Participating Actors	Server/User Interface
Preconditions	User Login is successful
Postconditions	Confirmation of File Upload to server
Flow of Events for Main Success Scenario	<ol style="list-style-type: none"><li>1. User is successfully logged into Wormhole</li><li>2. User selects file for upload.</li><li>3. File is checked for appropriate extension, maximum file size, user has not met maximum uploads.</li><li>4. If conditions are met (no disqualifying factors) file is added to the server for that user.</li><li>5. Confirmation of successful file upload is displayed.</li></ol>
Flow of Events for Extensions	<ol style="list-style-type: none"><li>1. User selects file for upload.</li><li>2. File is over the maximum capacity file size or has reached their upload limit.</li><li>3. Client relays error message to prompt the user to compress or delete other files to comply with the maximum number of uploads.</li><li>4. Upload process is terminated.</li></ol>