Assignment Project Exam Help

Add WeChat edu_assist_pro

COMP 3331/9331
Assignment Project Exam Help
ASS
https://eduassistpro.github.io/
Online Discuss
Add WeChat edu_assist_pro

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All details dell'event de la della d

- READ THE SPECIFICATION
- READ THE SPECIAICATION (AGRIN) ect Exam Help
- Information about d ission instructions, marking guidelines, https://eduassistpro.githlubsideher specifics are in the specification Add WeChat edu_assist_pro
- Choice of programming languages: or
- This talk provides a high-level overview

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Client Seave Machailedu_assist_pro

- Server
 - Always on
 - Responsible for Amaging the discussion of the transfer of th
 - Maintains state about the forum

 - Implements a request/
 Prints informative upd https://eduassistpro.github.lo/
- Client

- Allows a user to interact with the discussion forum
- Interaction is through the command line terminal
- Transport Protocol
 - Must use TCP

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Execution Add WeChat edu_assist_pro

- Server
 - Command line arguments:
 - Server port (use a valle greater than Project Exam Help
 - Admin password (us
 - Executed first wait https://eduassistpro.github.io/

- Client
 - Command line arguments:
 - Server IP address (use "localhost" as client(s) and server will be executing on same machine)
 - Server port number (should match the first argument for the server)
 - Let the OS pick an ephemeral port
 - Client should initiate TCP connection with server ("127.0.0.1", server port)

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Two Configurations du_assist_pro

- One client at a time (14 marks 70% of the assignment marks)
 - At any given time only one client will interact with the server

 - Simple sequential interaction between client and server.
 Should not require shuging Project Exam Help
 - Multiple clients can co nt connects, executes some commands, quits, seconttps://eduassistpro.githaub.joy/ts, etc.
 - You will need to defin n state of the message board (# of active threads, thread creators, edu_assist_pro
 - - one for each thread and any specific files uploaded by users
 - You must design your own application layer protocol
 - This includes the syntax/semantics of the messages exchanged between the client and server and the actions to be taken upon receiving each message
 - Non-CSE Students may chose to only implement functionality for this configuration
 - MUST request approval check spec for details

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Two Configuration edu_assist_pro

- Concurrent multiple clients (6 marks 30% of the assignment marks)
 - Client program should only require minor changes

 - Server program must interact with multiple clients
 We recommend a Salgin the aled applied Exam Help
 - Main thread should I

- nts
- A new thread should https://eduassistpro.ghtpachblipg/
 The interactions with configuration
- However, the message hold state Chart edu_assiste clero.
 - Client A adds a new message to a thread. F A's message should be viewable

- n Client B reads the thread, client
- You may assume that each interaction with a client is "atomic"
 - Client A initiates an interaction to add a new message to a thread. While the server is processing this interaction, it cannot be interrupted by a command from another client (B). Client B's command will be acted upon after the command from client A is processed
- You must be particularly careful about managing multiple threads and how they access the shared state (data structures, files, etc.) for the message board

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User Authornticatiat edu_assist_pro

- A credentials file will be available in the server working directory (example is on the assignment page) ct Exam Help
- The client will first a
 - Ask user to enter us https://eduassistpro.github.io/
 - If username matches with one of the e redentials file, the user is requested to enter the dats we Chat edu_assist_pro
 - If password matches, authentication successful
 - If password doesn't match, the user is asked to enter username again
 - If username does not match it is assumed this is a new user and user is asked to enter a new password
 - User is authenticated and a new entry is created in the credentials file

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Discussional Forecomet edu_assist_pso

- 11 specific commands
- User is prompted to ignificante Porto free to frame and delp
- Basic error checking guments, etc. should be implemented https://eduassistpro.github.io/
 - NOTE: We are more interested in obser edu_assist pro limited and won't include bizarre edge cases

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Commandel WeChat edu_assist_pro

- CRT Create thread
 - CRT threadtitle
 - Create a new thread prepresented as a text file (thread title), update state information about active threads and thread creators
- MSG Post message https://eduassistpro.github.io/
 - MSG thread mes
 - Add message to the thread we cate tedu_assist_pro number, username, message)
- DLT Delete message
 - DLT thread messagenumber
 - A message can only be deleted by the original creator (error if condition not met)
 - Delete message update the thread file (remove the message and update message numbers if required)

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Commanda WeChat edu_assist_pro

- EDT Edit message
 - EDT threadtitle messagenumber message
 - A message can only be differ by the original creator (error if Pondition not met)
 - Edit the thread upda

essage)

https://eduassistpro.github.io/

- LST List threads
 - LST

- List all active threads
- Read data structure that stores this information and send it to client
- RDT Read thread
 - RDT threadtitle
 - Display all messages contained in thread
 - Read the corresponding thread file and send relevant information to client

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Commanda WeChat edu_assist_pro

- UPD Upload file
 - UPD threadtitle filename
 - Create filename A serienment Preority to Examal Hielmata received from client
 - Update thread file wit https://eduassistpro.github.io/
- DWN Download file
 - DWN threadtitle Adde Wie Chat edu_assist_pro
 - Create filename in client working director le data received from server
- RMV Remove thread
 - RMV threadtitle
 - A thread can only be removed by the original creator (error if condition not met)
 - Remove all state associated with the thread (thread file, uploaded files)

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Commanda WeChat edu_assist_pro

- XIT Exit
 - XIT Assignment Project Exam Help
 - User quits
 - Update state about https://eduassistpro.github.io/
- SHT Shutdown Add WeChat edu_assist_pro
 - SHT adminpassword
 - Server shutdowns all state maintained is removed, all active clients are informed

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How to startward apedu_assist_pro

- Focus on first configuration
- Get the client and server to setup a TCP connection
 Implement authentication gnment Project Exam Help
- Implement one command

- ext
- Suggest the following ord https://eduassistpro.outhurb.iow/N, RMV, SHT
- Once all individual commands are done and te e sure you test extensive interaction with a single client (the wine fulfill edu assistiments)
- Next progress to second configuration multi
- STRONGLY SUGGEST TO DEVELOP YOUR IMPLEMENTATION IN VLAB ENVIRONMENT (NOT ON YOUR NATIVE MACHINE)
- Added benefit CSE accounts are backed up

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Resourcesdd WeChat edu_assist_pro

- Many program snippets are on the web page
 - Including multi Ahreading cede Pippetet Exam Help
- Your socket progra

2 and 3 will be useful

Repository of resour https://eduassistpro.github.io/

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Testing Add WeChat edu_assist_pro

- Test, Test, Test
- Server and client(s) executing on same machine but different working directories Assignment Project Exam Help directories
- Emphasis on correct b
- https://eduassistpro.github.io/ Basic error checking
- MUST Test In VLAB environment Add We Chat edu_assist_pro
 If we cannot run your code, then we ca ou any marks
- Your assignment will be MANUALLY marked by your tutors
- Client and server must display meaningful messages at the terminal
- Extensive examples are available at the end of the spec
- You are NOT required to use the exact same text

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Plagiaris And WeChat edu_assist_pro

- DO NOT DO IT
- If caught Assignment Project Exam Help
 - You will receive zero marks (a not your first offenc https://eduassistpro.github.io/
 - Your name will be added to th

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Seeking MedpweChat edu_assist_pro

- Assignment specific consults (for all 3 programming languages) from Weeks 7-10 • Schedule to be announced in a few days
- Course message for https://eduassistpro.github.io/
 - Read posts from other students before question
- Read the spec very often your ans