

Project introduction

TTM 4100

An overview

- The project step by step
 - KTN 1
 - KTN 2
- Requirements
- Skeleton Code given by TTM4100
 - Server
 - Client
- Documentation
- Deadlines,

The Assignments

- **Design** and **implement** *a Chat Client and a Chat Server* according to a provided protocol.
 - Design : KTN1
 - Implementation : KTN 2

Common Vs separate Project

- The KTN part is more or less separate from from the common project.
- The tasks are the same whether you take TDT4140 or not.

KTN 1- The design

- You must describe how you intend to implement a chat server and client satisfying the functional requirements
- You should use:
 - Classes diagrams
 - Sequence diagrams for different use cases
 - Textual description

KTN 2 – The implementation

- Make the chat client and server
- Update diagrams from KTN1 if changes were made
- A demonstration for one of the student or teaching assistants

Requirements

- Client
 - Log in to server
 - Send messages to server
 - Receive and display messages from server
 - Log out from server
 - Follow the provided protocol
- Server
 - Handle client logins
 - Receive messages from clients
 - Send messages to clients
 - Handle client logouts
 - Handle multiple clients at the same time
 - Follow the provided protocol

Skeleton Code

- Provided skeleton code in python:
 - client.py
 - server.py
 - MessageWorker.py
- This code is there to help you by:
 - Suggesting useful classes
 - Suggesting some useful methods for those classes
 - Suggesting useful libraries used and implemented by those classes

Available documentation

- Code.pdf
 - Generally useful information about Socket programming in python and more
 - Links to more detailed documentation on the internet
- Description.pdf
 - Project Description
 - General Requirements
 - The Protocol you should follow
 - Deadlines
 - What to deliver.

Dates

- Two Deliveries
 - KTN1: The design of Chat Client and Server
 - Deadline: Monday of week 10, March 3rd
 - KTN2: The implementation of the design
 - Deadline: Monday of week 13, March 24th
- Full details on the deliveries are in the project description

Tuition

- KTN 1
 - Week 8 and 9
- KTN 2
 - Weeks 10 through 12
- Schedule of tuition times will be posted on It's Learning
- All tuition hours are at P15

Questions?

- May also be e-mailed later to:
 - ttn4100@item.ntnu.no
 - For convenience please use your stud.ntnu.no-account
- Or you can use the Forum on the KTN itslearning page
 - Recommended if you think others may have use for our answers.