

# MainApp -primaryStage: Stage -loginLayout: BorderPane -newTaskLayout: AnchorPane -clienControl: ClientControl +loginName: String +MainApp() +start(primaryStage: Stage): Void +initRootLayout(): Void +showLoginScreen(): Void +showMainScreen(): Void +showProjectScreen(): Void +showNewTaskDialog(): Boolean +getPrimaryStage(): Stage +getInstance(): MainApp +showEditTaskDialog(selectedTask: ITask): Boolean +showProjectInsertDialog(): Void +main(args: String[]): Void

### ClientControl

- -instance: ClientControl
- -openProject: IProject
  -sleepingProjects: List(IProject)
- -mainApp: MainApp
- -clientThread: Thread
- -kClient: KClient +ClientControl()
- +getInstance(): ClientControl
- +userLogin(name: String): Void
- +projectCreate(): Boolean
- projectereate(). Boolea
- +projectNewTask(): Boolean
- +getOpenProject(): IProject
- +setOpenProject(openProject): void

#### KClient

- -socket: Socket
- -objectOutputStream: ObjectOutputStream
- -objectInputStream: ObjectInputStream
- -port: Integer
  -url: String
- -clientControll: ClientControl
- -message: Object
- +KClient(url: String, port: Integer)
- +requestSimpleProjects(): Void
- +connectToServer(addres: InetAddress, port Integer) Void
- +run(): Void

-id: String-name: String

+getID(): String

+setID(value: String): Void +getName(): String +setName(value: String)

+SimpleProject(name: String, id: String)

#### <<Interface>> <<Interface>> <<Interface>> **IProject IProjectFX** ITask +getTitleProperty(): String +getID(): String +getID Property(): String +setID (value: String): Void +setTitle(value: String): Void +setID(value: String): Void +getNameProperty(): String +getDesciptionProperty(): String +getName(): String +setName(value: String) +setName(value: String) +setDescription(value: String): Void +getModified(): Date +getModifiedProperty(): Date +getCategorieProperty(): String +setCategorie(value: String): Void +setModified(value: Date): Void +setModified(value: Date): Void +getCreated(): Date +getCreatedProperty(): Date +getStatusProperty(): String +setCreated(value: Date): Void +setCreated(value: Date): Void +setStatus(value: String): Void +getDescription(): String +getDescriptionProperty(): String +getCreatorIDProperty(): String +setDescription(value: String): Void +setDescription(value: String): Void +setCreatorID(value: String): Void +getTasks(): List(ITask) +getTasksProperty(): List(ITask) +getLastCallProperty(): Date +setLastCall(value: Date): Void +setTasks(List(ITasks)): Void +setTasks(List(ITasks)): Void +getCreatorDateProperty(): Date +getMembers(): List(String) +getMembersProperty(): List(String) +setMembers(value: List(String)): Void +setMembers(value: List(String)): Void +setCreatorDate(value: Date): Void +getMemberProperty(): List(User) +addTask(value: ITask): Void +setMember(value: List(User)): Void +addMember(value: Integer): Void +getCommentProperty(): List(String) +setComment(value: List(String)) Project Task User -id: String -tite: String -uid: String -name: String -desciption: String -name: String -description: String -categorie: String -pw: String -modified: Date -status: String +User(uid: String, name: String, pw: String, -created: Date -creatorID: String projects: List(String), projectCurrent: String) -taks: List(ITask) -lastCall: String -dateCreate: Date +Project(name: String, description: String, modified: Date, +getUID(): String -members: List(User) creaded: Date, tasks: List(Date), members: List(String), id: +setUID(uid: String): Void -comment: List(String) +getName(): String +Project(name: String, description: String, creator: String) +setName(name: String): Void +getPw(): String +getTitle(): String +getID(): String +setPw(pw String): void +setID (value: String): Void +setTitle(value: String): Void +getProjects(): List(String) +getName(): String +getDesciption(): String +setProjects(projects: List(String)): Void +setName(value: String) +setDescription(value: String): Void +getProjectCurrent():String +getModified(): Date +getCategorie(): String +setProjectCurrent(projectCurrent: String): +setModified(value: Date): Void +setCategorie(value: String): Void +getCreated(): Date +getStatus(): String +setCreated(value: Date): Void +setStatus(value: String): Void +getDescription(): String +getCreatorID(): String +setDescription(value: String): Void +setCreatorID(value: String): Void +getTasks(): List(ITask) +getLastCall(): Date +setTasks(List(ITasks)): Void +setLastCall(value: Date): Void +getMembers(): List(String) +getCreatorDate(): Date +setMembers(value: List(String)): Void +setCreatorDate(value: Date): Void +getMember(): List(User) +getID Property(): String +setMember(value: List(User)): Void +setID (value: String): Void +getComment(): List(String) +getNameProperty(): String +setComment(value: List(String)) +setName(value: String) +getTitleProperty(): String +getModifiedProperty(): Date +setTitle(value: String): Void +setModified(value: Date): Void +getDesciptionProperty(): String +getCreatedProperty(): Date +setDescription(value: String): Void +setCreated(value: Date): Void +getCategorieProperty(): String +getDescriptionProperty(): String +setCategorie(value: String): Void +setDescription(value: String): Void +getStatusProperty(): String +getTasksProperty(): List(ITask) +setStatus(value: String): Void +setTasks(List(ITasks)): Void +getCreatorIDProperty(): String +getMembersProperty(): List(String) +setCreatorID(value: String): Void +setMembers(value: List(String)): Void +getLastCallProperty(): Date +setLastCall(value: Date): Void +addTask(value: ITask): Void +getCreatorDateProperty(): Date +addMember(value: Integer): Void +setCreatorDate(value: Date): Void +getMemberProperty(): List(User) +setMember(value: List(User)): Void +getCommentProperty(): List(String) SimpleProject +setComment(value: List(String)) - SERIALVERSIONUID: Integer = -2398503995120490647L

## LoginScreenController

- -mainApp: MainApp
- -clientControl: ClienControl
- +initialize(): Void
- +LoginController()
- +setPrevStage(szage: Stage): Void
- +dopLoginButton(): Void
- +setMainApp(mainApp: MainApp): Void

## NewTaskDialogController

- -task: ITask
- -control: ClienControl
- -okClicked: Boolean
- +initialize(): Void
- +setTask(task: ITask): Void

## MainScreenLoginScreen

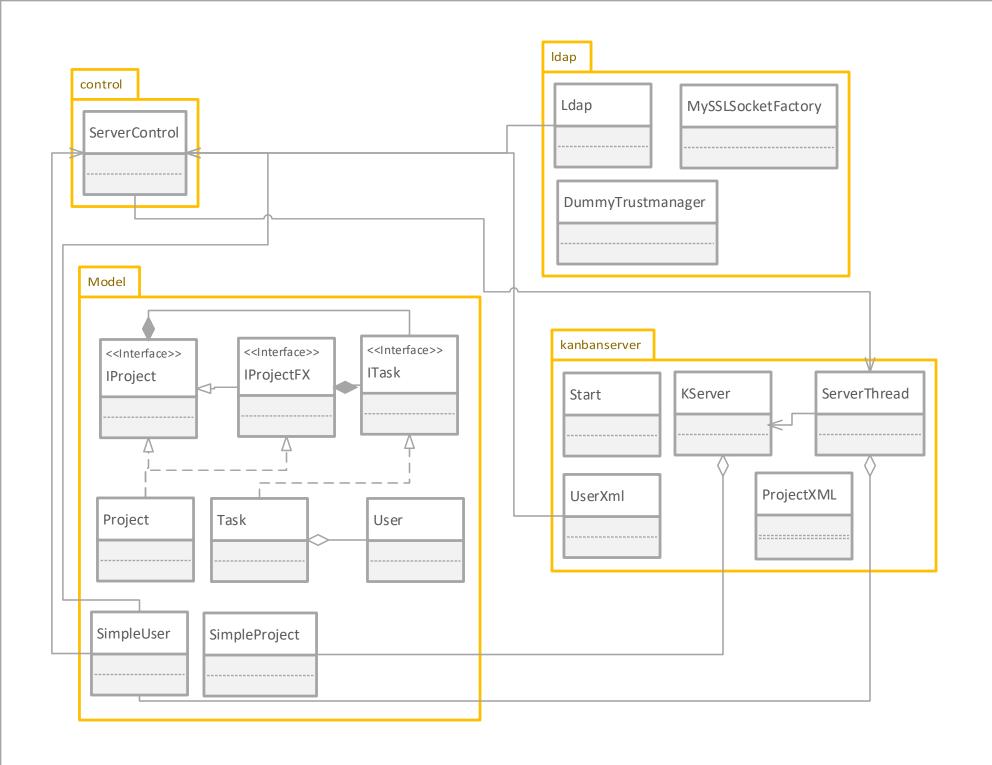
- -control: ClienControl-
- -mainApp: MainApp
- +initialize(): Void
- +MainScreenController()
- +handleNewTask(): Void
- +handleEditPerson(): Void
- +setMainApp(mainApp: MainApp): Void
- showTaskDetails(task: ITask): Void

## NewProjectDialogController

- -okClicked: Boolean
- +initialize(): Void
- +setProject(): Void
- +handleOK(): Void
- +handleCancel(): Void

## ProjectSelectionScreenController

- -mainApp: MainApp
- -listOfProjectName: List(SimpleProject)
- +initialize(): Void
- +ProjectSelectionScreenController
- +handleProjectSelection(): Void
- +handleNewProject(): Void
- +handleAccept(): Void
- +setMainApp(mainApp: Mainpp): Void



#### control

#### ServerControl

- -ldap: Ldap
- -userXML: UserXML
- +userLogin(userName: String): Boolean
- +getProjectsForUserLogin(userName:
- String): ArrayList(SimpleProject)

- SERIALVERSIONUID: Integer = -2398503995120490647L

+getFirstName(): String

+getLastName(): String

+setFirstName(firstname: String): Void

+setLasttName(lastname: String): Void +getFirstNameProperty(): String +getLastNameProperty(): String

#### <<Interface>> <<Interface>> <<Interface>> IProjectFX **IProject** ITask +getID(): String +getID Property(): String +getTitleProperty(): String +setID (value: String): Void +setID (value: String): Void +setTitle(value: String): Void +getNameProperty(): String +getDesciptionProperty(): String +getName(): String +setName(value: String) +setName(value: String) +setDescription(value: String): Void +getCategorieProperty(): String +getModifiedProperty(): Date +getModified(): Date +setModified(value: Date): Void +setModified(value: Date): Void +setCategorie(value: String): Void +getCreatedProperty(): Date +getCreated(): Date +getStatusProperty(): String +setCreated(value: Date): Void +setCreated(value: Date): Void +setStatus(value: String): Void +getDescriptionProperty(): String +getDescription(): String +getCreatorIDProperty(): String +setDescription(value: String): Void +setDescription(value: String): Void +setCreatorID(value: String): Void +getTasksProperty(): List(ITask) +getTasks(): List(ITask) +getLastCallProperty(): Date +setTasks(List(ITasks)): Void +setTasks(List(ITasks)): Void +setLastCall(value: Date): Void +getMembersProperty(): List(Integer) +getCreatorDateProperty(): Date +getMembers(): List(Integer) +setMembers(value: List(Integer)): Void +setMembers(value: List(Integer)): Void +setCreatorDate(value: Date): Void +getMemberProperty(): List(User) +addTask(value: ITask): Void +setMember(value: List(User)): Void +addMember(value: Integer): Void +getCommentProperty(): List(String) +setComment(value: List(String)) Task Project User -id: String -tite: String -uid: String -name: String -desciption: String -name: String -description: String -categorie: String -pw: String -modified: Date -status: String +User(uid: String, name: String, pw: String, -creatorID: String -created: Date projects: List(String), projectCurrent: String) -lastCall: String -taks: List(ITask) +Project(name: String, description: String, modified: Date, -dateCreate: Date +getUID(): String -members: List(User) creaded: Date, tasks: List(Date), members: List(Integer), id: +setUID(uid: String): Void -comment: List(String) +getName(): String +Project(name: String, description: String, creator: id) + Task() +setName(name: String): Void +getPw(): String +getID(): String +getTitle(): String +setPw(pw String): void +getProjects(): List(String) +setID (value: String): Void +setTitle(value: String): Void +getName(): String +getDesciption(): String +setProjects(projects: List(String)): Void +setName(value: String) +setDescription(value: String): Void +getProjectCurrent():String +getModified(): Date +getCategorie(): String +setProjectCurrent(projectCurrent: String): +setModified(value: Date): Void +setCategorie(value: String): Void +getCreated(): Date +getStatus(): String +setCreated(value: Date): Void +setStatus(value: String): Void +getDescription(): String +getCreatorID(): String +setDescription(value: String): Void +setCreatorID(value: String): Void +getTasks(): List(ITask) +getLastCall(): Date +setTasks(List(ITasks)): Void +setLastCall(value: Date): Void +getMembers(): List(Integer) +getCreatorDate(): Date +setMembers(value: List(Integer)): Void +setCreatorDate(value: Date): Void SimpleProject +getMember(): List(User) - SERIALVERSIONUID: Integer = -+getID Property(): String +setMember(value: List(User)): Void 2398503995120490647L +setID (value: String): Void +getComment(): List(String) +setComment(value: List(String)) -id: String +getNameProperty(): String +setName(value: String) -name: String +getTitleProperty(): String +getModifiedProperty(): Date +SimpleProject(name: String, id: String) +setTitle(value: String): Void +setModified(value: Date): Void +getDesciptionProperty(): String +getCreatedProperty(): Date +getID(): String +setDescription(value: String): Void +setCreated(value: Date): Void +setID (value: String): Void +getCategorieProperty(): String +getDescriptionProperty(): String +getName(): String +setCategorie(value: String): Void +setDescription(value: String): Void +setName(value: String) +getStatusProperty(): String +getTasksProperty(): List(ITask) +setStatus(value: String): Void +setTasks(List(ITasks)): Void +getCreatorIDProperty(): String +getMembersProperty(): List(Integer) +setCreatorID(value: String): Void +setMembers(value: List(Integer)): Void +getLastCallProperty(): Date +setLastCall(value: Date): Void +addTask(value: ITask): Void +getCreatorDateProperty(): Date +addMember(value: Integer): Void +setCreatorDate(value: Date): Void +getMemberProperty(): List(User) +setMember(value: List(User)): Void +getCommentProperty(): List(String) SimpleUser +setComment(value: List(String)) -firstName: String -lastName: String

### ldap

## Ldap

- -Host: String
- -SearchBase: String
- LdapContext: DirContext
- connect: Boolean
- -disconnect: Void
- -search( SearchBase: String, SearchFilter: String, User: SimpleUser): Boolean
- +login(HemsUid: String, User: SimpleUser): Boolean

+Ldap(Hostname: String, LdapDirectory: String)

## DummyTrustmanager

- +checkClientTrusted(cert: Certificate[], strin: String) Void
- +checkServerTrusted(cert: Certificate[], strin: String): Void
- +checkServerTrusted(cert: Certificate, string: String): Certificate[]

# MySSLSocketFactory

- socketFactory: SSLSocketFa +MySSLSocketFactory()
- +getDefault(): SocketFactory
- +getDefaultCipherSuites(): St
- +getSupportedCipherSuites() +createSocket(socket: Socket
- String, num: Integer, bool: Bo
- Socket
  +createSocket(string: String,
- Intger): Socket
- +createSocket(string: String, Integer, netAdd: InetAddress
- Socket +createSocket(netAdd:InetA
- num:Intger):Socket
  +createSocket(netAdd1:Inet
  num:Integer, netAdd:InetAd
- Intgeger): Socket

#### kanbanserver

### Start

+main(args: String[]): Void

#### **KServer**

#serverThreads: List(ServerThread)

- -listofObjects: List(SimpleProject)
- +main(args: String[]): Void

#### UserXml

- -userXMLDirectory: String
- +userXML(directory: String, login: String)
- +readUserXML(): User
- +writeUserXML(user: User): Void

#### ServerThread

#receiving Messages: Boolean

#currentObject: Object

#objectOutputStream: ObjectOutputStream
#objectInputStream: ObjectInputStream
#socket: Socket

- +ServerThread(socket: Socket)
- +sendSimpleProject(userName: String): Void
- +sendSimpleUser(userName: String): Void
- +sendString(str: String)
- +run(): Void

## ProjectXML

- -projectXMLDirectory: String
- +projectXML(directory: String, login: String)
- +readProjectXML(): Project
- +writeProjectXML(project: Project): Void)