

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)
- -receivedSimpleProjects: List(SimpleProject)
- -mainApp: MainApp
- $\hbox{-clientThread: Thread} \\$
- -kClient: KClient
- +ClientControl()
- +getInstance(): ClientControl
- +userLogin(name: String): Void
- +simpleUserReturnedFromLogin(simpleUserObj:
- SimpleUser)
- +simpleProjectsReturnedFromLogin(returnList:
- List(SimpleProject)
- +projectCreate(): Boolean
- +projectNewTask(): Boolean
- +getOpenProject(): IProject
- +setOpenProject(openProject): void
- +getUser(): User
- +getSimpleProjects(): List(SimpleProjects)
- +getReceivedSimpleProjects(): List(SimpleProject)
- +setReceivedSimpleProjects(receivedSimpleProjects:
- List(SimpleProject)

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
- +send NewProject (project: Project): Void
- +run(): Void

Model

User

```
-uid: String
-name: String
-pw: String
-pojects: List(SimpleProjects)
-projectCurrent: Project
+User(uid: String, name: String, pw: String,
projects: List(Projects), projectCurrent: Project)
+getUID(): String
+setUID(uid: String): Void
+getName(): String
+setName(name: String): Void
+getPw(): String
+setPw(pw String): void
+getProjects(): List(String)
+setProjects (projects: List(String)): Void
+getProjectCurrent():String
+setProjectCurrent(projectCurrent: String):
Void
```

LoginScreenController

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

NewTaskDialogController

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

ProjectSelectionScreenController

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

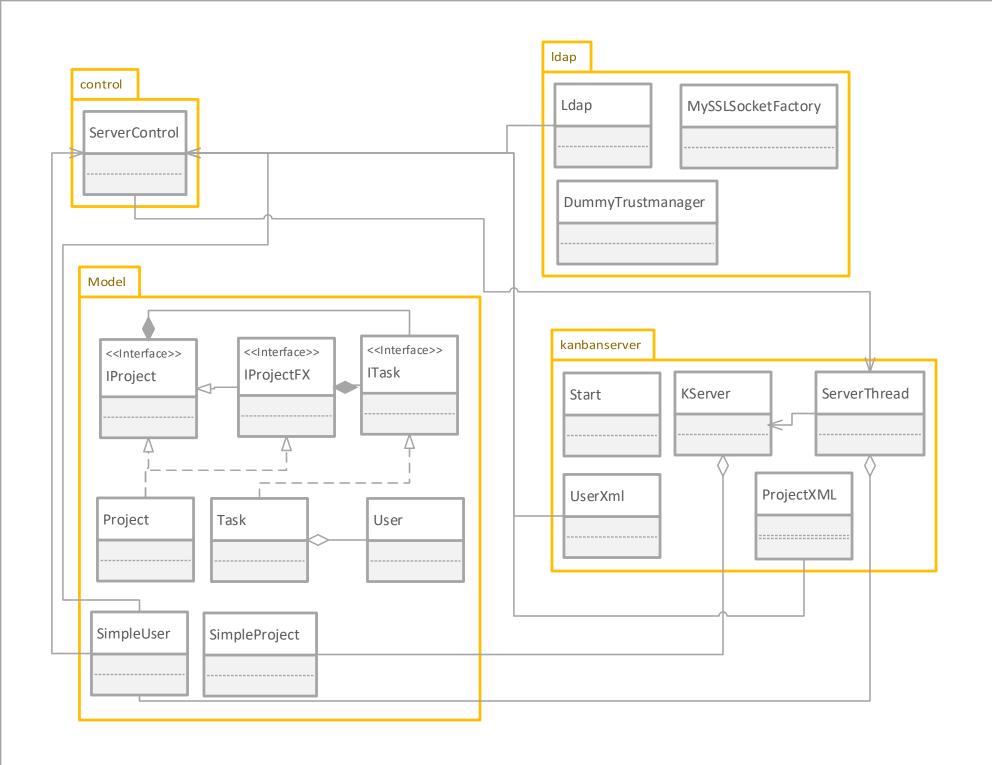
MainScreenController

- -control: ClientContro-
- -mainApp: MainApp
- +initialize(): Void
- +MainScreenController()
- +handleNewTask(): Void
- +handleEditPerson(): Void
- +setMainApp(mainApp: MainApp): Void

showTaskDetails(task: ITask): Void

NewProjectDialogController

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



control

ServerControl

- -ldap: Ldap
- -userXML: UserXML
- -projectXML: ProjectXML
- +getProjectsForUserLogin(userName: String):

+userLogin(userName: String): Boolean

- ArrayList(SimpleProject)
- +createNewProject(newProject: Project): Boolean

+setFirstName(firstname: String): Void

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

+getLastName(): String

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

Ldap

-Host: String

-SearchBase: String

- LdapContext: DirContext

+Ldap(Hostname: String, LdapDirectory: String)

- connect: Boolean

-disconnect: Void

-search(SearchBase: String, SearchFilter: String, User: SimpleUser): Boolean

+login(HemsUid: String, User: SimpleUser): Boolean

DummyTrustmanager

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

MySSLSocketFactory

- socketFactory: SSLSocketFactory
- +MySSLSocketFactory()
- +getDefault(): SocketFactory
- +getDefaultCipherSuites(): String[]
- +getSupportedCipherSuites(): String[]
- +createSocket(socket: Socket, string:
- String, num: Integer, bool: Boolean):

Socket

+createSocket(string: String, num:

Intger): Socket

+createSocket(string: String, num:

Integer, netAdd: InetAddress, i: Intger):

Socket

+createSocket(netAdd: InetAddress,

num: Intger): Socket

+createSocket(netAdd1:InetAddress, num:Integer, netAdd:InetAddress, i:

Intgeger): Socket

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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

+send String(str: String) +run(): Void

ProjectXML

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