

# Model

## User

- id: UUID
- session: SessionDataHandler
- username: String
- informations: UserInformations
- roles: List<Role>
- permissions: List<Boolean>
- projects: List<UUID>
- bookMarks: List<UUID>
- active: boolean

+ User()

+ getId()

+ getUsername()

+ getInformations()

+ getRoles()

+ getPermissions()

+ getProjects()

+ getActive()

+ setId()

+ setUsername()

+ setInformations()

+ setRoles()

+ setPermissions()

+ setActive()

+ setProjects()

## Document

- id: UUID
- session: SessionDataHandler
- metadata: Metadata
- PageList: List<Page>
- scanningWorkProject: UUID
- transcriptionWorkProject: UUID

+ Document()

+ getMetadata(): Metadata

+ getPageList(): List<Page>

+ getScanningWorkProject()

+ getTranscriptionWorkProject()

+ setMetadata(): boolean

+ setListaPagine(): boolean

+ setScanningWorkProject()

+ setTranscriptionWorkProject()

## PageTranscription

- text: TEIText
- complete: boolean
- revised: boolean
- validated: boolean
- staff: PageTranscriptionStaff

+ PageTranscription()

+ getText(): TEIText

+ getComplete()

+ getRevised()

+ getValidated()

+ getStaff()

+ setText()

+ setComplete()

+ setRevised()

+ setValidated()

+ setPersonnel()

Page
- id: UUID - session: SessionDataHandler - pageNumber: int - scan: PageScan - transcription: PageTranscription
+ Page()
+ getId()
+ getPageNumber()
+ getScan()
+ getTranscription()
+ setId()
+ setPageNumber()
+ setScan()
+ setTranscription()

DocumentCollection
- id: UUID - session: SessionDataHandler - name: String - documents: List<UUID>
+ Collection()
+ addDocuments(List<Document>)
+ removeDocuments(List<Document>)
+ getId()
+ getName()
+ getDocuments()
+ setId()
+ setName()
+ setDocuments()

PageScanStaff
- digitalizer: UUID - reviser: UUID
+ PageScanStaff()
+ getDigitalizer()
+ getReviser()
+ setDigitalizer(User)
+ setReviser(User)

PageScan
- image: Image - validated: boolean - revised: boolean - staff: PageScanStaff
+ PageScan()
+ getImage()
+ getValidated()
+ getRevised()
+ getPersonnel()
+ setImage()
+ setValidated()
+ setRevised()
+ setStaff()

PageTranscriptionStaff
- transcribers: List<UUID> - reviser: UUID
+ PageTranscriptionStaff()
+ getTranscribers()
+ getReviser()
+ setTranscribers()
+ setReviser()

<<Extends>>

<<Extends>>

**WorkProject**

- id: UUID

- session: SessionDataHandler

- coordinator: UUID

- publishingDate: Date

+ WorkProject()

+ getId()

+ getCoordinator: User

+ getPublishingDate: Date

+ setId()

+ setCoordinator()

+ setPublishingDate()

**TranscriptionWorkProject**

- transcribers: List<UUID>

- revisers: List<UUID>

+ TranscriptionWorkProject()

+ getTranscribers()

+ getRevisers()

+ setTranscribers()

+ setRevisers()

**ScanningWorkProject**

- digitalizers: List<UUID>

- revisers: List<UUID>

- completed: boolean

+ ScanningWorkProject()

+ getCompleted()

+ getDigitalizers()

+ getRevisers()

+ setCompleted()

+ setDigitalizers()

+ setRevisers()

## LoginForm

- username: TextField
- password: TextField
- submit: Button

+ submit()

## RegistrationForm

- name: TextField
- surname: TextField
- username: TextField
- password: TextField
- repeatPassword: TextField
- emailField: TextField
- repeatEmail: TextField
- submit: Button

+ submit()

## HomePage

- infoPanel: Panel
- newsPanel: Panel
- myProjectsList: Panel
- myCollectionList: Panel
- libraryCollectionList: Panel
- collectionPanel: Panel

## EditProfileForm

- username: TextField
- password: TextField
- repeatPassword: TextField
- emailField: TextField
- repeatEmail: TextField
- submit: Button

+ submit()

## PageView

- metadati: Panel
- pageMiniatureList: Panel
- imagesViewer: Panel
- transcriptionsViewer: Panel
- hidePagesMiniature: Button
- hideImagesViewer: Button
- hideTranscriptionsViewer: Button
- pageMiniature: ImageButton
- reportProblem: Button
- addBookmark: Button
- download: Button
- pageNumber: TextField
- searchText: TextField
- pageScroll: ScrollBar

+ showMetadati()

+ close()

+ addBookMark()

+ downlodButton()

+ newReportProblem()

+ searchText(String)

+ scrollDown()

+ scrollUp()

+ selectPageMiniature()

+ changePageNumber()

+ hideTranscriptionsViewerPanel()

+ hideImagesViewerPanel()

+ hidePageMiniatureList()

+ open()

## RoleRequestForm

- object: TextField
- text: TextField
- submit: Button

+ submit()

## DocumentSearchForm

- keywords: textField
- submit: Button

+ submit()

### DigitalizerPanel

- reordinablePageList: Panel

- uploadPagelImage: Button

- saveDigitalizzation: Button

- undoDigitalization: Button

- completedDigitalization: Button

+ upload()

+ save()

+ close()

+ completeDigitalization()

### DigitalizerRevisorPanel

- validation: Button

- reject: Button

- saveRevision: Button

- undoRevision: Button

+ upload()

+ save()

+ close()

+ completeDigitalization()

### ChangeScanningStaff

- digitalizersList: CheckList

- revisersList: CheckList

- submit: Button

+ submit()

### ExternalTEITextEditor (?)

(?)

(?)

### TrascriptionRevisorPanel

- validation: Button

- reject: Button

- saveRevision: Button

- undoRevision: Button

+ upload()

+ save()

+ close()

+ completeDigitalization()

### RoleRequestAnswer

- answer: TextField

- submit: Button

+ submit()

### EditUserRoles

- roles: CheckList

- submit: Button

+ submit()

### StartTranscriptionProjectForm

- project: Select

- submit: Button

### StartScanningProjectForm

- project: Select

- submit: Button

### PubblicationForm

- myCompletedProject: Select

- public: Button

+ public()

### CreateEditDocument

- title: Textfield

- tags: TextField

- preservationState: TextField

- uploadPage: TextField

- composingPeriod: TextField

- composingDate: TextField

- description: TextField

- author: TextField

- public: Button

+ submit()

### ChangeTranscriptionStaff

- transcriberList: CheckList

- revisersList: CheckList

- submit: Button

+ submit()

# Controller

## PageViewController

- + loadDocument()
- + downloadReadableDocument()

## LoginController

- + login()

## RegistrationController

- + register()

## DocumentSearchController

- + searchDocument()

## RoleRequestController

- + sendRequestForm()

## ProfileController

- + loadProfile()
- + saveModifications()

## HomePageController

- + loadHomePage()

## AdministratorController

TODO

## EditUserRolesController

TODO

## SessionDataHandler

- idMap: static HashMap<UUID, Object>

- + SessionDataHandler(DBreference?)

- + addCollection(Collection)

- + removeCollection(Collection)

- + getPage(UUID)

- + getDocument(UUID)

- + getCollection(UUID)

- + getUser(UUID)

- + getWorkProject(UUID)

## PageScanController

- + PageScanController(User, Document)
- + openWorkSession()
- + saveDigitalizerModifications(modifications)
- + saveRevisorModifications(modifications)
- + closeWorkSession()

## PageTranscriptionController

- + PageTranscriptionController(User, Document)
- + openWorkSession()
- + closeWorkSession()
- + saveRevisorModifications(modifications)
- + saveDigitalizerModifications(modifications)

## ChangeScanningStaffController

- + ChangeScanningStaffController(UUID scanningProject)
- + applyModifications(digitalizers, revisers)

## ChangeTranscriptionStaffController

- + ChangeTranscriptionStaffController(UUID transcriptionProj)
- + applyModifications(transcribers, revisers)

## CreateDocumentController

- + CreateDocumentController(metadata)

## EditDocumentController

- + EditDocumentController(UUID document)
- + editMetadata()

## PublicationController

- + publishProject(UUID)

## StartTranscriptionProjectController

- + StartTranscriptionProjectController(UUID document)

## StartScanningProjectController

- + StartScanningProjectController(UUID document)

## UserAuthenticationQuerySet

+ registration()  
+ login()

## RequestToAdminQuerySet

+ sendRequestToAdmin()  
+ loadAllRequestsToAdmin()  
+ undoRequestToAdmin()

## EditProfileQuerySet

+ loadUserProfile()  
+ updateUserProfile()  
+ deleteUserProfile()

## HomePageQuerySet

+ loadNews()  
+ loadMyProjectsList()  
+ loadMyCollectionList()  
+ loadLibraryCollectionList()  
+ loadCollection()  
+ loadHomeInfo()

## PageViewQuerySet

+ loadOpera()  
+ loadBookmarksDocument()  
+ updateBookmarksDocument()

## SearchQuerySet

+ searchMatches()

## WorkSessionQuerySet

+ startWorkSession()  
+ closeWorkSession()

## DigitalizerQuerySet

+ loadDocument()  
+ updatePage()

## RevisoDigitalizationQuerySet

+ validated()  
+ revised()

## TranscriberQuerySet

+ loadTranscription()  
+ updateText()

## TranscriptionRevisorQuerySet

+ completed()  
+ validated()  
+ revised()

**AdministratorQuerySet**

- + acceptUserRegistration()
- + updateUserRoles()
- + answerRequest()
- + loadRequest()
- + loadRequestsList()

**DocumentQuerySet**

- + insertDocument()
- + loadDocument()
- + updateDocument()
- + deleteDocument()
- + downloadFileDocument()

**ScanningWorkProjectQuerySet**

- + insertScanningWorkProject()
- + loadScanningWorkProject()
- + updateScanningWorkProject()
- + deleteScanningWorkProject()

**TranscriberWorkProjectQuerySet**

- + insertTranscriberWorkProject()
- + loadTranscriberWorkProject()
- + updateTranscriberWorkProject()
- + deleteTranscriberWorkProject()



