# Model

### User

- id: UUID

- username: String

- informations: UserInformations

- roles: List<Role>

- permissions: List<Boolean>

- projects: List<WorkProject>

- bookMarks: List<Page>

- active: boolean

- + User()
- + getId()
- + getUsername()
- + getInformations()
- + getRoles()
- + getPermissions()
- + getProjects()
- + getActive()
- + setId()
- + setUsername()
- + setInformations()
- + setRoles()
- + setPermissions()
- + setActive()
- + setProjects()

## UserInformations

- name: String

- surname: String

- registrationDate: Date

- email: Mail

- + UserInformations()
- + getName()
- + getSurname()
- + getRegistrationDate()
- + getEmail()
- + setName()
- + setSurname()
- + setRegistrationDate()
- + setEmail()

### **DocumentMetadata**

- title: String

- author: String

- description: String

- composingDate: Date

- composingPeriod: VagueDate

- preservationState: int

- tags: tag[]

- + DocumentMetadata()
- + addTag(Tag)
- + removeTag(Tag)
- + getTitle()
- + getAuthor()
- + getDescription()
- + getComposingDate()
- + getComposingPeriod()
- + getPreservationState()
- + getTags()
- + setTitle()
- + setAuthor()
- + setDescription()
- + setComposingDate()
- + setComposingPeriod()
- + setPreservationState()
- + setTags()

# **Document**

- id: UUID

- metadata: Metadata

- PageList: List<Page>

- scanningWorkProject: scanningWorkProject

- transcriptionWorkProject: transcriptionWorkProject

- + Document()
- + getMetadata(): Metadata
- + getPageList(): List<Page>
- + getScanningWorkProject()
- + getTranscriptionWorkProject()
- + setMetadata(): boolean
- + setListaPagine(): boolean
- + setScanningWorkProject()
- + setTranscriptionWorkProject()

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

+ setTranscription()
PageTranscription PageTranscription
- text: TEIText
- complete: boolean
- revised: boolean
- validated: boolean
- staff: PageTranscriptionStaff
+ PageTranscription()
+ getText(): TEIText
+ getComplete()
+ getRevised()
+ getValidated()
+ getStaff()
+ setText()
+ setComplete()
+ setRevised()
+ setValidated()

+ Setvalidated()
+ setPersonnel()
PageTranscriptionStaff PageTranscriptionStaff
- transcribers: List <user></user>
- reviser: User
+ PageTranscriptionStaff()
+ getTranscribers()

+ getReviser()

+ setReviser()

+ setTranscribers()

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

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

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

<<Extends>> <<Extends>>

## WorkProject

- id: UUID
- coordinator: User
- pubblishingDate: Date
- + WorkProject()
- + getId()
- + getCoordinator: User
- + getPubblishingDate: Date
- + setId()
- + setCoordinator()
- + setPubblishingDate()

# **TranscriptionWorkProject**

- transcribers: List<User>
- revisers: List<User>
- + TranscriptionWorkProject()
- + getTranscribers()
- + getRevisers()
- + setTranscribers()
- + setRevisers()

# ScanningWorkProject

- digitalizers: List<User>
- revisers: List<User>
- completed: boolean
- + ScanningWorkProject()
- + getCompleted()
- + getDigitalizers()
- + getRevisers()
- + setCompleted()
- + setDigitalizers()
- + setRevisers()

# Library

- idMap: Map<UUID,Object>
- + Library(DBreference?)
- + addCollection(Collection)
- + removeCollection(Collection)
- + getPage(UUID)
- + getDocument(UUID)
- + getCollection(UUID)
- + getUser(UUID)
- + getWorkProject(UUID)

# View

## LoginForm

- username: TextField

- password: TextField

- submit: Button

+ submit()

### RegistrationForm

- name: TextField

- surname: TextField

- username: TextField

- password: TextField

- repeatPassword: TextField

emailField: TextFieldrepeatEmail: 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

- hideTranscrioptionsViewer: 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** RoleRequestAnswer - reordinablePageList: Panel - answer: TextField - uploadPageImage: Button - submit: Button - saveDigitalizzation: Button + submit() - undoDigitalization: Button **EditUserRoles** - completedDigitalization: Button - roles: CheckList + upload() - submit: Button + save() + submit() + close() + completeDigitalization() **DigitalizerRevisorPanel** - validation: Button - reject: Button - saveRevision: Button - undoRevision: Button + upload() + save() **PubblicationForm** + close() - myCompletedProject: Select + completeDigitalization() - public: Button ScanningWorkProject + public() - digitalizersList: CheckList CreateEditDocument - revisersList: CheckList - title: Textfield - submit: Button tags: TextField + submit() - preservationState: TextField - uploadPage: TextField ExternalTEITextEditor (?) - composingPeriod: TextField (?) - composingDate: TextField (?) - description: TextField **TrascriptionRevisorPanel** - author: TextField - validation: Button - public: Button - reject: Button + submit() - saveRevision: Button **TranscriptionWorkProject** - undoRevision: Button - transcriberList: CheckList + upload() - revisersList: CheckList + save() - submit: Button + close() + submit() + completeDigitalization()

# **PageView**

- + loadDocument()
- + downlodReadableDocument()

### LoginController

+ login()

# RegistrationController

+ register()

### **DocumentSearchController**

+ searchDocument()

# RoleRequestController

+ sendRequestForm()

# **ProfileController**

- + loadProfile()
- + saveModify()

### HomePageController

+ loadHomePage()

### **PageScanController**

- + openWorkSession()
- + saveDigitalizerModify()
- + saveRevisorModify()
- + closeWorkSession()

### **TrascriptionRevisorPanel**

- + openWorkSession()
- + closeWorkSession()
- + saveRevisorModify()
- + saveDigitalizerModify()

# ScanningWorkProject

- + openWorkSession()
- + closeWorkSession()
- + saveModify()
- + submit()

# **TranscriptionWorkProject**

- + submit()
- + openWorkSession()
- + submit()
- + saveModify()
- + closeWorkSession()

# **PubblicationController**

+ publicProject()

# CreateEditDocumentController

- + createDocument()
- + saveModify()

# UserAuthenticationQuerySet

- + registration()
- + login()

### RequestToAdminQuerySet

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

## EditProfileQuerySet

- + loadUserProfile()
- + uploadUserProfile()
- + deleteUserProfile()

## **HomePageQuerySet**

- + LoadNews()
- + LoadMyProjectsList()
- + LoadMyCollectionList()
- + LoadLibraryCollectionList()
- + LoadCollection()
- + LoadHomeInfo()

# **PageViewQuerySet**

- + loadOpera()
- + loadBookmarksOpera()
- + updateBookmarksOpera()

# SearchQuerySet

+ searchMatches()

### **UploaderSessionQuerySet**

- + startWorkSession()
- + closeWorkSession()

# **DigitalizerQuerySet**

- + loadOpera()
- + uplodPagine()

## RevisoDigitalizationQuerySet

- + validated()
- + revised()

## **TranscriberSessionQuerySet**

- + startWorkSession()
- + closeWorkSession()

### **TranscriberQuerySet**

- + loadTranscription()
- + updateText()

## **TranscriptionRevisorQuerySet**

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

# AdministratoQuerySet

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

# **DocumentQuerySet**

- + insert()
- + loadOpera()
- + updateOpera()
- + delete()
- + downloadFileOpera()

# DigitalizerProjectQuerySet

- + insertDigitalizationProject()
- + loadDigitalizzationProject()
- + uploadDigitalizationProject()
- + deleteDigitalizzationProject()

# TranscriberProjectQuerySet

- + insertTranscriberProject()
- + loadTranscriberProject()
- + uploadDigitalizzationProject()
- + deleteDigitalizzazionProject()

- text: String
Role
id: int
name: String
Тад
nome: String
VagueDate
< <extends>&gt;</extends>
Date
Bookmark
Mail
Image
UUID
value: Int