

## 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
<ul style="list-style-type: none"> <li>- id: UUID</li> <li>- pageNumber: int</li> <li>- scan: PageScan</li> <li>- transcription: PageTranscription</li> </ul>
+ Page()
+ getId()
+ getPageNumber()
+ getScan()
+ getTranscription()
+ setId()
+ setPageNumber()
+ setScan()
+ setTranscription()

PageTranscription
<ul style="list-style-type: none"> <li>- text: TEIText</li> <li>- complete: boolean</li> <li>- revised: boolean</li> <li>- validated: boolean</li> <li>- staff: PageTranscriptionStaff</li> </ul>
+ PageTranscription()
+ getText(): TEIText
+ getComplete()
+ getRevised()
+ getValidated()
+ getStaff()
+ setText()
+ setComplete()
+ setRevised()
+ setValidated()
+ setPersonnel()

PageTranscriptionStaff
<ul style="list-style-type: none"> <li>- transcribers: List&lt;User&gt;</li> <li>- reviser: User</li> </ul>
+ PageTranscriptionStaff()
+ getTranscribers()
+ getReviser()
+ setTranscribers()
+ setReviser()

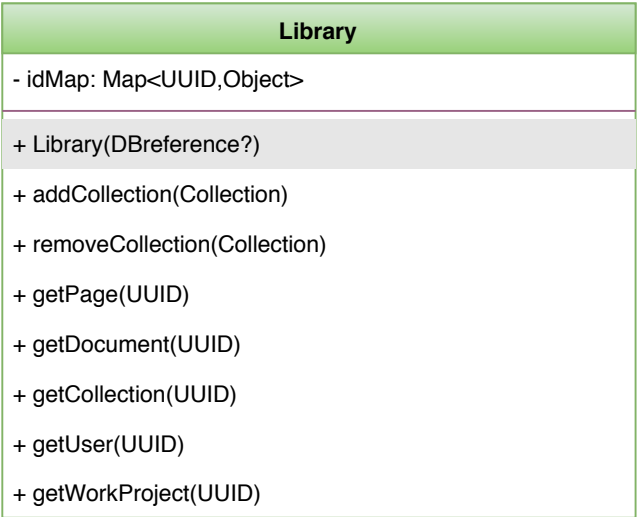
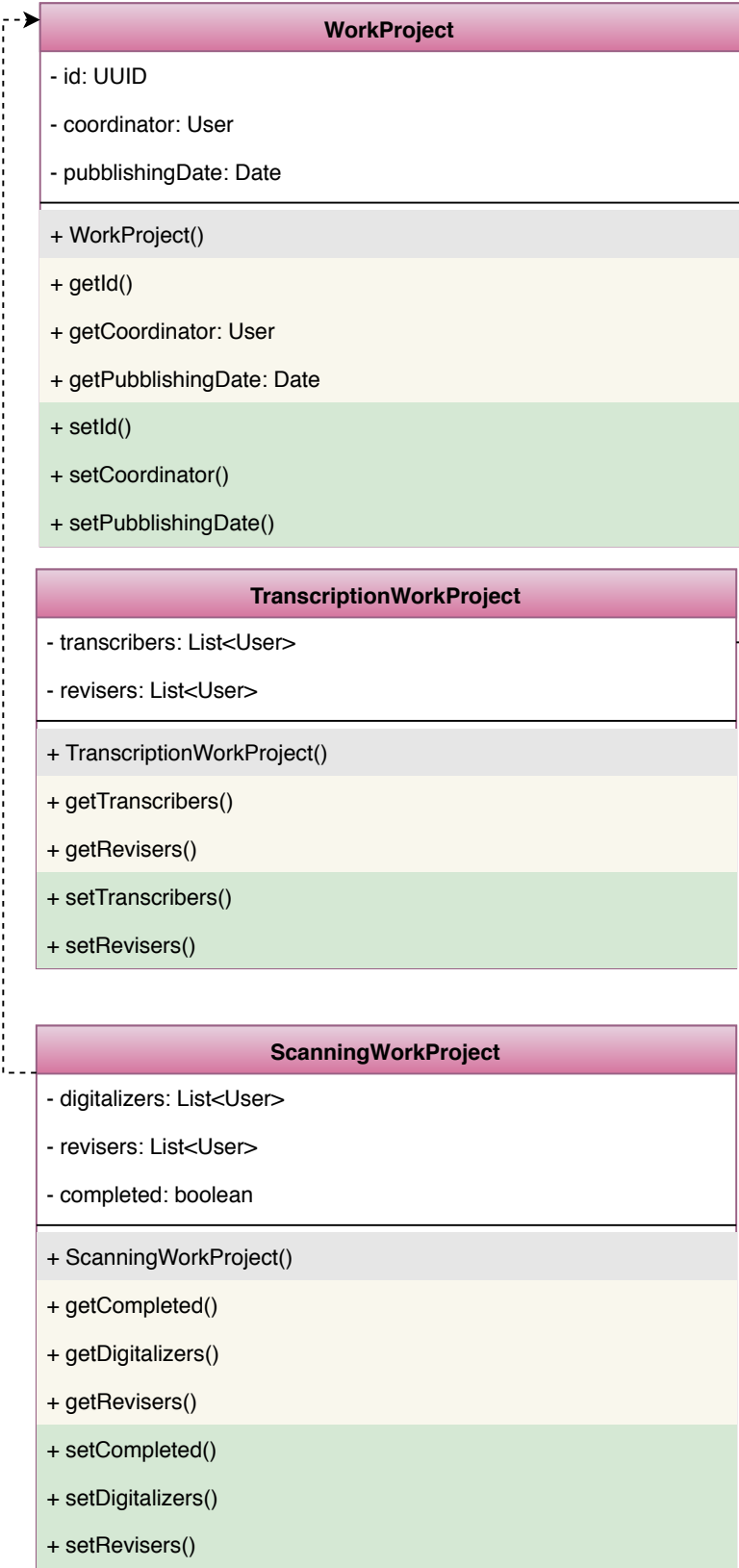
PageScan
<ul style="list-style-type: none"> <li>- image: Image</li> <li>- validated: boolean</li> <li>- revised: boolean</li> <li>- staff: PageScanStaff</li> </ul>
+ PageScan()
+ getImage()
+ getValidated()
+ getRevised()
+ getPersonnel()
+ setImage()
+ setValidated()
+ setRevised()
+ setStaff()

PageScanStaff
<ul style="list-style-type: none"> <li>- digitalizer: User</li> <li>- reviser: User</li> </ul>
+ PageScanStaff()
+ getDigitalizer()
+ getReviser()
+ setDigitalizer(User)
+ setReviser(User)

DocumentCollection
<ul style="list-style-type: none"> <li>- id: UUID</li> <li>- name: String</li> <li>- documents: List&lt;Documents&gt;</li> </ul>
+ Collection()
+ addDocuments(List<Document>)
+ removeDocuments(List<Document>)
+ getId()
+ getName()
+ getDocuments()
+ setId()
+ setName()
+ setDocuments()

<<Extends>>

<<Extends>>



## View

### 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()

### RoleRequestForm

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

+ submit()

### DocumentSearchForm

- keywords: textField  
- submit: Button

+ submit()

DigitalizerPanel
- reordinablePageList: Panel
- uploadPageImage: Button
- saveDigitalization: Button
- undoDigitalization: Button
- completedDigitalization: Button
+ upload()
+ save()
+ close()
+ completeDigitalization()

DigitalizerRevisorPanel
- validation: Button
- reject: Button
- saveRevision: Button
- undoRevision: Button
+ upload()
+ save()
+ close()
+ completeDigitalization()

ScanningWorkProject
- 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()

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()

TranscriptionWorkProject
- transcriberList: CheckList
- revisersList: CheckList
- submit: Button
+ submit()

# Controller

## 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()



TEIText
- text: String

Role
id: int
name: String

Tag
nome: String

VagueDate
...



Date
...

Bookmark
...

Mail
...

Image
...

UUID
value: Int