

ORgSys

(Organization Recognition System)

Analysis Classes

Class Diagram

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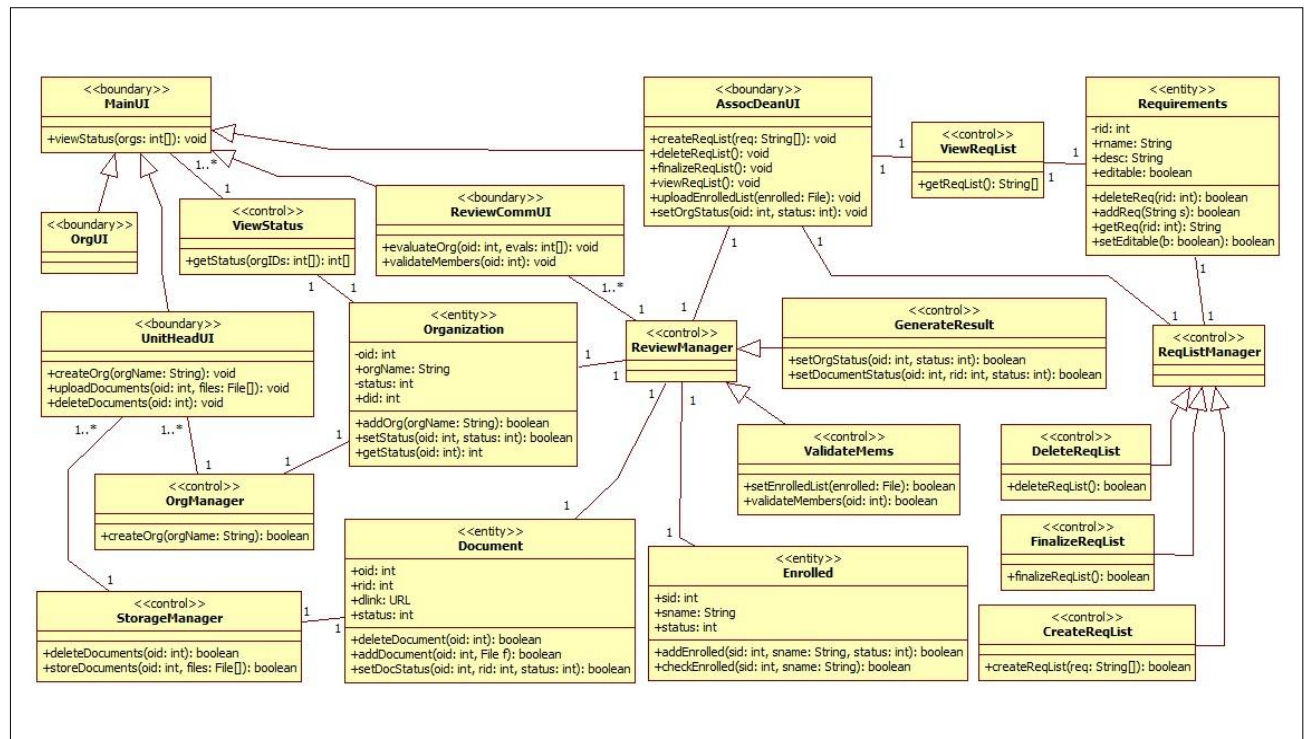
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10/15/2013	Emir Mercado Sharmaine Yap Patrick Granada	1.0	Initial Document
10/16/2013	Emir Mercado	2.0	Added operations to entity classes Attached links to Document entity class

System Name: ORgSys (Organization Recognition System)

Description:

The system's purpose is primarily to provide the Office of Student Affairs of UP Diliman's College of Engineering a means of evaluating the organizations during their application period for recognition for the whole school year. This system provides a way for the unit heads to upload the documents submitted by the organizations online. It will also serve as a venue for Associate Dean for Student Affairs and the Review Committee to provide the organizations with the list of required documents requirements for approval and to check if the member roster of the organization is valid.

Class Diagram:



Boundary Classes:

MainUI	Main template of user interfaces	
Behavior List	viewStatus	viewStatus displays the recognition status of the orgs Input: int[] orgs - list of orgs IDs of orgs to view Output: void - the status of the orgs requested will be displayed
AssocDeanUI	(extends MainUI class) This is the boundary class for the Associate Dean for Student Affairs.	
Behavior List	createReqList	createReqList creates an initial draft of a requirements checklist Input: String[] req - list of requirements Output: void
	deleteReqList	deleteReqList deletes the entire list of requirements. Input: none Output: void
	finalizeReqList	finalizeReqList makes the created draft of requirements checklist uneditable. Input: none Output: void
	viewReqList	viewReqList displays the current requirements checklist, finalized or not Input: none Output: void
	uploadEnrolledList	uploadEnrolledList uploads the list of enrolled students needed by the system to verify the validity of the organizations' members Input: File enrolled - file that contains the list of enrolled students in the college/university, depending on what the associate dean is able to retrieve from the university registrar. Output: void
	setOrgStatus	setOrgStatus sets the overall status of the organization with respect to the evaluation of the Associate Dean for Student Affairs Input: int oid, int status - the organization's ID in the database and the status to be assigned to that organization Output: void

UnitHeadUI	(extends MainUI class) This is the boundary class for the unit heads.	
Behavior List	createOrg	createOrg creates an account for the organizations to participate in the renewal process of the college Input: String orgName Output: void
	uploadDocuments	uploadDocuments uploads the organization's documents in the online storage system Input: int oid, File[] files - the organization's ID in the database and the files of their documents to be uploaded Output: void
	deleteDocuments	deleteDocuments deletes all the documents owned by the organization in the online storage system Input: int oid - organization's ID in the database Output: void

ReviewCommUI	(extends MainUI class) this is the boundary class for the review committee	
Behavior List	evaluateOrg	evaluateOrg enables the user to give their evaluations to all the documents submitted by the organizations. Input: int oid, int[] evals - the organization's ID in the database and the evaluations to be given by the review committee per document Output: void
	validateMembers	validateMembers checks the online storage for the file that contains the members of the organization and Input: int oid - the organization's ID Output: void

OrgUI	(extends MainUI class) this is the boundary class for the organizations	
Behavior List	none	

Control Classes:

ViewStatus	Control class for viewing the recognition status of organization/s	
Behavior List	getStatus	<p>Write the description of the behavior.</p> <p>Input: int[] orgIDs - array of orgIDs in the database</p> <p>Output: int[] - array of statuses of the organizations requested</p>
StorageManager	Control class for managing the online storage system	
Behavior List	deleteDocuments	<p>deleteDocument deletes all of the organization's files in the online storage and in the database</p> <p>Input: int oid - the organization's ID in the database</p> <p>Output: boolean - true if the files are successfully deleted</p>
	storeDocuments	<p>storeDocuments stores the files uploaded by the unit head into the online storage sytem</p> <p>Input: int oid, File[] files - the organization's ID in the database and the files to be stored in the online storage system</p> <p>Output: boolean - true if the the documents are successfully stored</p>
OrgManager	Control class for managing the organizations applying for recognition	
Behavior List	createOrg	<p>Write the description of the behavior.</p> <p>Input: String orgName - the name of the org that will be given an account by the system</p> <p>Output: boolean - true if the account is successfully created</p>
ReviewManager	Control class for managing the org reviewing feature of the system	
Behavior List	none	
ValidateMems	(extends ReviewManager) Control class for validating the list of members submitted by each organizations	
Behavior List	setEnrolledList	<p>setEnrolledList extracts the information from the file retrieved from the university registrar to be used for validating the members of the organizations</p> <p>Input: File enrolled - the file containing the list of enrolled students</p> <p>Output: boolean - true if the file is processed successfully</p>
	validateMembers	<p>validateMembers checks whether all members of the organization are currently enrolled.</p> <p>Input: int oid, File memList - the organization's ID in the database, and the file containing the members of the organization</p> <p>Output: boolean - true if all members in the member list is a currently enrolled student of the university</p>

GenerateResult	(extends ReviewManager) Control class for evaluating the documents and overall recognition status of the organization	
Behavior List	setOrgStatus	Write the description of the behavior. Input: int oid, int status - the organization's ID in the database and the status to be given to the organization Output: boolean - true if the status is set successfully
	setDocumentStatus	Write the description of the behavior. Input: int oid, int rid, int status - the organization's ID in the database, the requirement's ID in the database, and the evaluation to be given to the document submitted by the organization Output: boolean - true if the status is set successfully

ReqListManager	Control class for managing the requirements checklist	
Behavior List	none	

CreateReqList	(extends ReqListManager) Control class for creating a requirements checklist	
Behavior List	createReqList	createReqList creates an instance of a requirements checklist Input: String[] req - the list of requirements in text form Output: boolean - true if the checklist is created successfully

DeleteReqList	(extends DeleteReqList) Control class for deleting a requirements checklist	
Behavior List	deleteReqList	deleteReqList deletes the currently saved requirements checklist in the system Input: none Output: boolean - true if the checklist is deleted successfully

FinalizeReqList	(extends DeleteReqList) Control class for finalizing a requirements checklist	
Behavior List	finalizeReqList	finalizeReqList finalizes the existing requirements checklist and makes it uneditable Input: none Output: boolean - true if the checklist is finalized successfully

ViewReqList	Control class for viewing the requirements checklist	
Behavior List	getReqList	getReqList gets the list of requirements from the database to be Input: none Output: String[] - the list of requirements

Entity Classes:

Organization	Entity class for the list of organizations	
Attribute List	oid	(int) organization ID assigned by the database
	orgName	(String) name of the organization
	did	(int) department ID or number where the organization is housed
	status	(int) overall status of the organization
Behavior List	addOrg	addOrg adds an organization into the Organization database Input: String orgName Output: boolean
	setStatus	setStatus modifies the status of an organization in the database Input: int oid, int status Output: boolean
	getStatus	getStatus retrieves the status value of the organization in the database Input: int oid Output: int

Requirements	Entity class for the requirements checklist	
Attribute List	rid	(int) requirement ID assigned by the database
	rname	(String) name of the requirement
	desc	(String) details of the requirement
Behavior List	deleteReq	deleteReq deletes a requirement entry in the database Input: int rid Output: boolean
	addReq	addReq adds a requirement in the database Input: String s Output: boolean
	getReq	getReq retrieves a requirement from the database Input: int rid Output: String
	setEditable	setEditable allows/forbids editing of the Requirements database Input: boolean b Output: boolean

Document	Entity class for the list of documents submitted by the organizations	
Attribute List	oid	(int) organization ID assigned by the database
	rid	(int) requirement ID assigned by the database
	dlink	(URL) download link of the document
	status	(int) evaluation status of the document
Behavior List	deleteDocument	deleteDocument deletes a document in the database Input: int oid Output: boolean
	addDocument	addDocument adds a document entry in the database Input: int oid, File f Output: boolean
	setDocStatus	setDocStatus modifies the status value of a document in the database Input: int oid, int rid, int status Output: boolean

Enrolled	Entity class for the list of enrolled students	
Attribute List	sid	(int) student's official ID number
	sname	(String) name of student
	status	(int) enrollment status of the student
Behavior List	addEnrolled	addEnrolled adds an enrolled student in the database Input: int sid, String sname, int boolean Output: boolean
	checkEnrolled	checkEnrolled checks the status of a student in the database Input: int sid, String sname Output: boolean