System and Software Architecture Description (SSAD)

JEP On-line Platform

Team 15

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USC-CSSE
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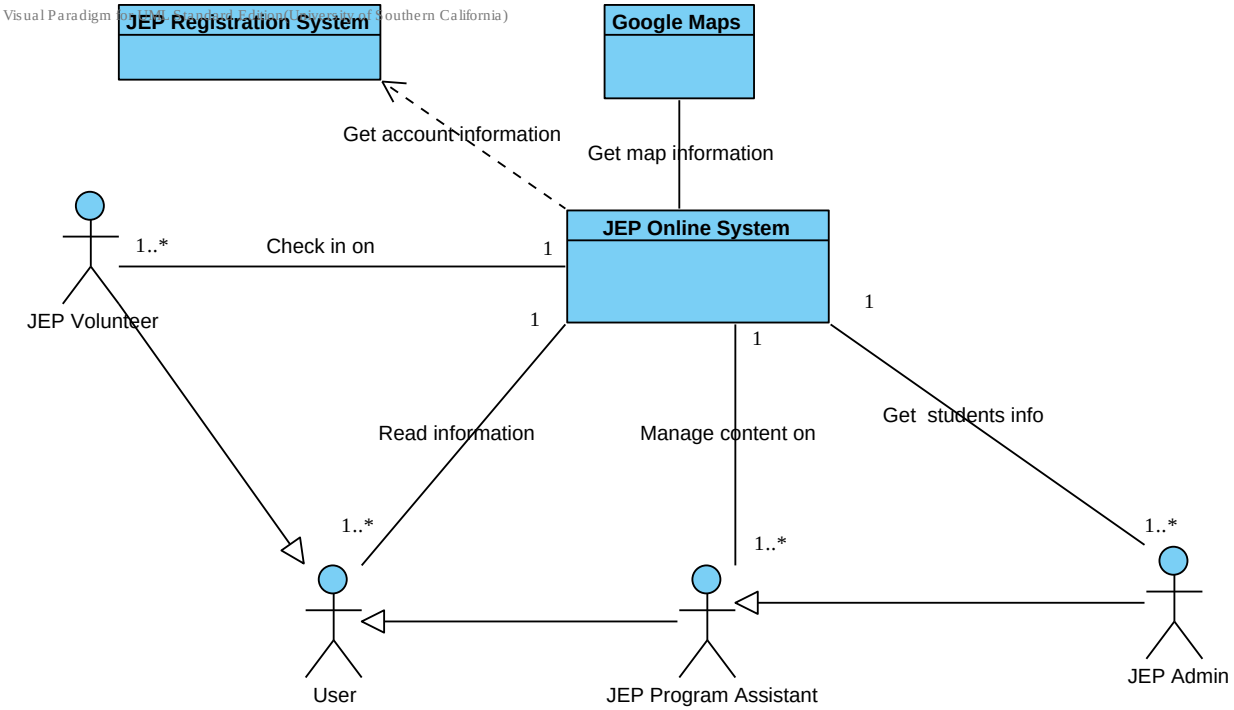
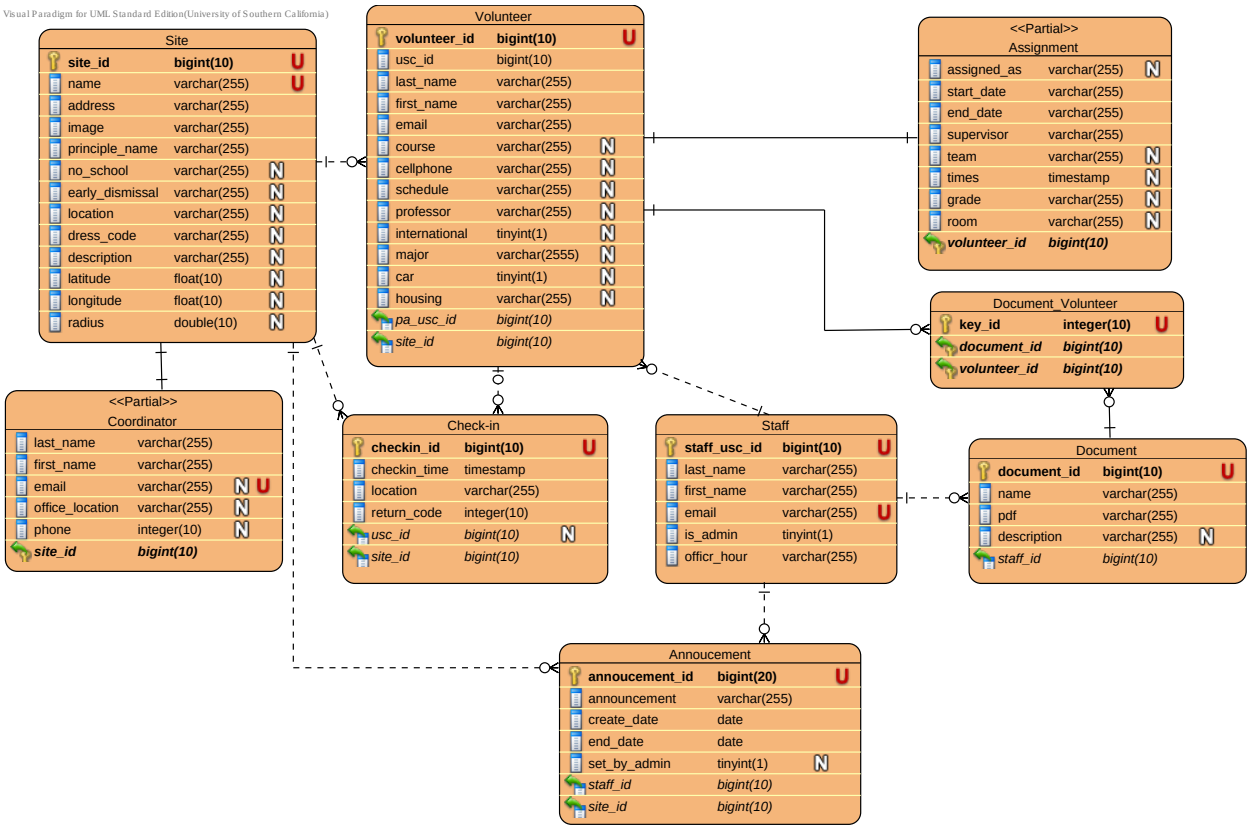
System Context Diagram



Details

- Google Maps
- JEP Registration System
- 1..*
- User
- JEP Admin
- JEP Program Assistant
- JEP Volunteer
- JEP Online System

Artifacts and Information Diagram



Details

- **Volunteer**
- **Assignment**
- **Site**
- **Document_Volunteer**
- **Coordinator**
- **Check-in**
- **Staff**
- **Document**

Annoucement

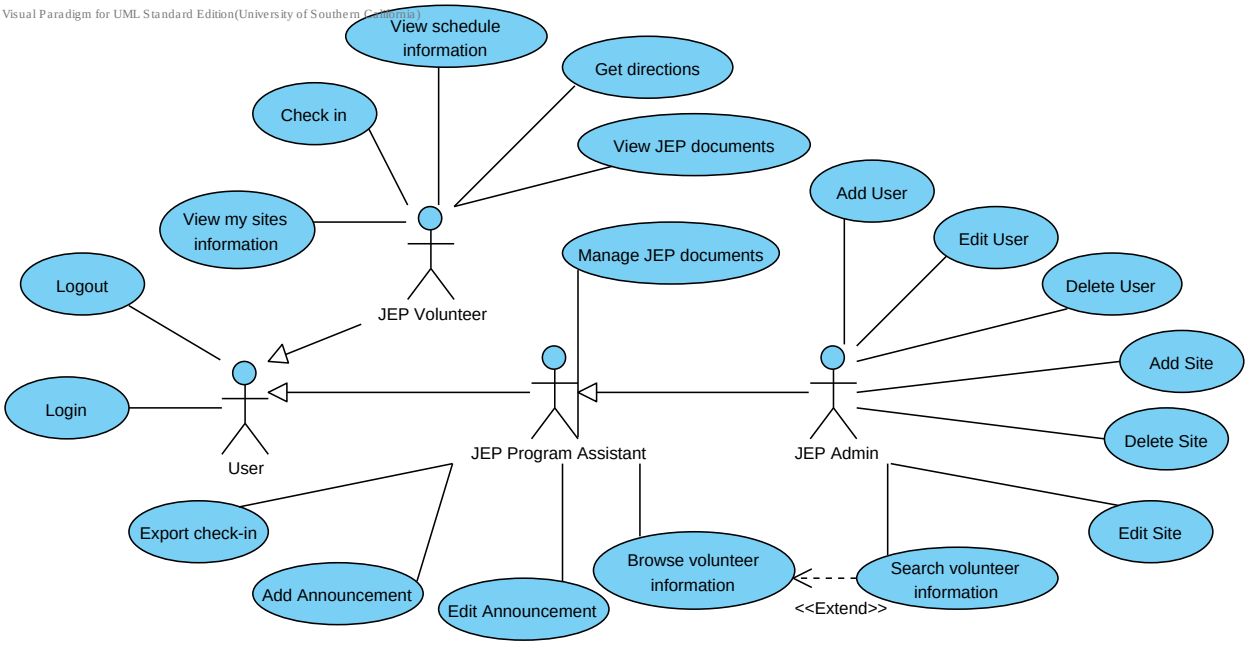
Actors Grid

ID	Name	Related Use Cases
AC01	JEP Program Assistant	Export check-in Add Announcement Edit Announcement Manage JEP documents Browse volunteer information
AC02	JEP Volunteer	View JEP documents View my sites information View schedule information Get directions Check in
AC03	JEP Admin	Delete Site Edit Site Search volunteer information Delete User Edit User Add Site Add User
AC04	User	Logout Login

Use Cases Grid

ID	Name	Primary Actors	Supporting Actors
UC01	Check in	JEP Volunteer	
UC02	View my sites information	JEP Volunteer	
UC03	Get directions	JEP Volunteer	
UC04	View JEP documents	JEP Volunteer	
UC05	View schedule information	JEP Volunteer	
UC06	Export check-in	JEP Program Assistant	
UC07	Browse volunteer information	JEP Program Assistant	
UC08	Manage JEP documents	JEP Program Assistant	
UC09	Add Announcement	JEP Program Assistant	
UC10	Edit Announcement	JEP Program Assistant	
UC11	Login	User	
UC12	Logout	User	
UC13	Search volunteer information	JEP Admin	
UC14	Add User	JEP Admin	
UC15	Edit User	JEP Admin	
UC16	Delete User	JEP Admin	
UC17	Add Site	JEP Admin	
UC18	Edit Site	JEP Admin	
UC19	Delete Site	JEP Admin	

Process Diagram



Details

User

JEP Volunteer

JEP Program Assistant

JEP Admin

Edit Announcement

Use Case Descriptions

Main	
Identifier	UC10: Edit Announcement
Purpose	To edit the existed announcement from the platform
Requirements	WC_2833: As a JEP staff(PA,Admin), I can edit the message that students will get when they checked_in by setting the message start date, end date, and content.
Development Risks	None
Preconditions	The user has logged in as PA or Admin.
Post-conditions	The announcement has been updated successfully, or the announcement is deleted.

Typical Course of Action		Actor Input	System Response
	1	Click "Manage Announcement" link	
	2		Display a page with the message list which contains current messages
	3	Select an existed Announcement and click "Edit" button	
	4		Display a page with the saved announcement information.
	5	Revise the information for the announcement	
	6	Click "Save" button	
	7		Save the revised announcement into the database
	8		Display a window showing success

Alternative Course of Action (Delete Announcement)		Actor Input	System Response
	1	Click "Manage Announcement" link	
	2		Display a page with the announcement list which contains current messages
	3	Select an existed announcement and click "Delete" button	
	4		Delete the announcement entry from database
	5		Display a window showing success

Delete User

Use Case Descriptions

Main	
Identifier	UC16: Delete User
Purpose	To delete an existed user's role from JEP system
Requirements	WC_2832: As an admin, I can delete users' (admin, and PA) roles in the system.
Development Risks	None
Preconditions	The user has logged into the system as JEP admin.
Post-conditions	The selected user's role has been successfully removed from the JEP system.

Typical Course of Action		Actor Input	System Response
	1	Click "Manage User"	

	2		Redirect to a page for user management with the current users (admin, and PA) list
	3	Select a user and click delete icon	
	4		Display confirmation message
	5	Confirm deletion	
	6		Remove the selected user's role from database
	7		Display success message

Edit Site

Use Case Descriptions

Main			
Identifier	UC18: Edit Site		
Purpose	To edit the current site information.		
Requirements	WC_2824: As an admin, I can edit site information Name, Dress Code, No School, Early Dismissal, Image, Office Location, Office Location, Address, Principal Name, Coordinator's info (First Name, Last Name, e-mail, Office Location)		
Development Risks	None		
Preconditions	The user has logged into the system as JEP admin.		
Post-conditions	The site information has been updated in the database.		
Typical Course of Action		**Actor Input**	**System Response**
	1	Click "Sites" link	
	2		Redirect to a page with the current sites list
	3	Choose a site and click edit	
	4		Display a page with the specific site information form
	5	Edit the site information and click submit	
	6		Update the site information in the database
	7		Display success message

Add Site

Use Case Descriptions

Main	
Identifier	UC17: Add Site
Purpose	To add a new site into the JEP online system

Requirements	WC_2823: As an admin, I can add site information including Name,Dress Code,No School,Early Dismissal,Image,Office Location,Office Location,Address,Principal Name,Coordinator's info(First Name,Last Name ,e-mail,Office Location)		
Development Risks	None		
Preconditions	The user has logged into the system as JEP admin.		
Post-conditions	The new site has been added into the database, or nothing has been changed.		
Typical Course of Action		**Actor Input**	**System Response**
	1	Click "Sites" link	
	2		Redirect to a page with the current sites list
	3	Click "Add" button	
	4		Open a new window with site information form
	5	Enter site name, address, picture and notes, then click create	
	6		Check existing situation for the new site
	7		Display success message
Exceptional Course of Action (The site information doesn't follow the format)		**Actor Input**	**System Response**
	1	Click "site" link	
	2		Redirect to a page with the current site list
	3	Click "add new site" button	
	4		Open a new window with site information form
	5	Enter site name, address, picture and notes, then click create	
	6		show the error column with reason

Delete Site

Use Case Descriptions

Main			
Identifier	UC19: Delete Site		
Purpose	To delete an existing site from the JEP online system.		
Requirements	WC_2825: As an admin, I can delete a site.		
Development Risks	May cause some students belongs to none site.		
Preconditions	The user has logged into the system as JEP admin.		
Post-conditions	The site has been deleted from database.		
Typical Course of Action		**Actor Input**	**System Response**

	1	Click "site" link	
	2		Redirect to a page with the site list
	3	Choose a site and click delete	
	4		Remove the site item from database
	5		Display a success message

Add Announcement

Use Case Descriptions

Main			
Identifier	UC09: Add Announcement		
Purpose	To set announcement which students will get when they check in and login between the start date and finish date		
Requirements	WC_2789: As a JEP staff(PA,Admin), I can add the message that volunteers will get when they checked_in		
Development Risks	None		
Preconditions	The user has logged in as PA or Admin.		
Post-conditions	The announcement has been set successfully, or the announcement is invalid.		
Typical Course of Action		**Actor Input**	**System Response**
	1	Click "Announcement" link	
	2		Display a page with the announcement list which contains current announcements
	3	Click "Add New Announcement"	
	4		Display a page with the sites list for the PA or admin (admin will see all the sites in the database)
	5	Select the sites and click "Add"	
	6		Display a empty form for announcement
	7	Input the new announcement contend, its start date and finish date in the form	
	8	Click "Submit" button	
	9		Check time conflict situation
	10		Record the announcement into database
	11		Direct back to Announcement page
Exceptional Course of Action (Time Conflict)		**Actor Input**	**System Response**

	1	Input the new announcement contend, its start date and finish date in the form	
	2	Click "Submit" button	
	3		Check time conflict situation
	4		Display error alert about time conflict

Add User

Use Case Descriptions

Main			
Identifier	UC14: Add User		
Purpose	To add new users to the system and assign initial role		
Requirements	WC_2819: As an admin, I can add users (admin, and PA) to the system by adding their USC ID, and selecting their role(Admin, PA)		
Development Risks	None		
Preconditions	The user has logged into the system as JEP admin.		
Post-conditions	A new user has been added into the system with his role, or nothing has been changed		
Typical Course of Action		**Actor Input**	**System Response**
	1	Click user "Manage User" link	
	2		Redirect to a page for user management
	3	Click "Add User" button	
	4		Display a form with text input area and drop-down list for roles
	5	Input new user's USC ID, First name, Last Name, Email, Office hours and select his role and click submit	
	6		Check the USC ID existing or not
	7		Adding the new user into database
	8		Display success message
Exceptional Course of Action (User already exists)		**Actor Input**	**System Response**
	1	Click user "manage permission" link	
	2		Redirect to a page for user management
	3	Click add new link	

	4		Display a form with text input area and checkable radio button for roles
	5	Input new user's USC ID and select his role and click submit	
	6		Check the USC ID existing or not
	7		Display already existing error
Exceptional Course of Action (invalid email format)		**Actor Input**	**System Response**
	1	Enter invalid email format.	
	2		Display invalid email format label.
Exceptional Course of Action (missing USC ID)		**Actor Input**	**System Response**
	1	Click submit without entering USC ID	
	2		Display a label USC ID cannot be empty.

Edit User

Use Case Descriptions

Main			
Identifier	UC15: Edit User		
Purpose	To edit the admin or PA's role for JEP online system		
Requirements	WC_2820: As an admin, I can edit users' (admin, and PA) roles in the system.		
Development Risks	None		
Preconditions	The user has logged into the system as JEP admin.		
Post-conditions	The specific user's role has been changed.		
Typical Course of Action		**Actor Input**	**System Response**
	1	Click "Manager User" link	
	2		Redirect to a page for user management with current users' list
	3	Select a user and click "edit" button	
	4		Display a window with the users' information (USC ID, First name, Last name, role, email, office hours).
	5	Edit the values (First name,Last name, role, email, office hours) and click "Edit" button	
	6		Update the user's information in our database

	7		Display success information
Exceptional Course of Action (Email Wrong)		**Actor Input**	**System Response**
	1	Enter invalid email format.	
	2		Display invalid email format label.

Browse volunteer information

Extension Points

ExtensionPoint

Use Case Descriptions

Main			
Identifier	UC07: Browse volunteer information		
Purpose	To see the information about volunteers who are assigned to the PA.		
Requirements	WC_2784: As JEP PA, I can browse my student information.		
Development Risks	None		
Preconditions	The user has logged into the system as Program Assistant.		
Post-conditions	Get the information about the PA's volunteers, or no volunteer has been find.		
Typical Course of Action		**Actor Input**	**System Response**
	1	Click "My Volunteers" link	
	2		show the criteria options for the search
	3	enter the criteria and click "search" bottom	
	4		show the table contain the volunteers base on the criteria
Exceptional Course of Action (No volunteer for the PA)		**Actor Input**	**System Response**
	1	Click "My Volunteers" link	
	2		Show the criteria options for the search
	3	Enter the criteria and click "search" bottom	
	4		show nothing in the table

Manage JEP documents

Use Case Descriptions

Main	
Identifier	UC08: Manage JEP Documents
Purpose	To upload or delete JEP documents

Requirements	WC_2782: As a program assistant , I can upload JEP important documents		
Development Risks	None		
Preconditions	The user has logged into the system as JEP program assistant.		
Post-conditions	The uploaded document has been recorded into or deleted from web server, or nothing has been changed.		
Typical Course of Action (Upload)		**Actor Input**	**System Response**
	1	Click "Documents" link	
	2		Display a page that contains a form for uploading documents
	3	Click "Choose File" button	
	4		Pop up a window for selecting the document
	5	Select the document and click "Open"	
	6		Save the document path
	7	Input the file name and description	
	8	Click "Submit"	
	9		Check the format whether the document is PDF or .doc and the size is smaller than 10 MB
	10		Add the document into the server and information into the database.
	11		Display success submit message
	12		Open select students page
	13	Search for students and select students then click "Add" .	
	14		Display success message
Alternative Course of Action (Delete)		**Actor Input**	**System Response**
	1	Select a document and click "Delete" icon	
	2		Display a confirmation window
	3	Select "OK"	
	4		Delete document from the server and database
	5		Display success deletion message
Alternative Course of Action (Download)		**Actor Input**	**System Response**
	1	Select a document and click "Download" icon	

	2		Download the documents into the local machine
Exceptional Course of Action (Failure: the document type is not allowed or its size is larger than limits)		**Actor Input**	**System Response**
	1	Click "Submit"	
	2		Check the format whether the document is PDF or .doc and the size is smaller than 10 MB
	3		Pop up alert based on the error type. (Not PDF or .doc document or the size is larger than 10 MB)

Logout

Use Case Descriptions

Main			
Identifier	UC12: Logout		
Purpose	To log out a user who has logged in the JEP online system		
Requirements	UC_2786: As a user, I can log out.		
Development Risks	None		
Preconditions	The user has logged into the system.		
Post-conditions	The user successfully has logged out the platform, and see an specific page.		
Typical Course of Action		**Actor Input**	**System Response**
	1	Click the Logout button	
	2		Log the user out and deactivate the user's session
	3		Show a page that tells the user "To ensure log out, you must completely quit/close your web browser."

Login

Use Case Descriptions

Main	
Identifier	UC11: Login
Purpose	Authorizing a user to log into the platform
Requirements	WC_2785: As a user I can log in. WC_2787: As a user, I can view the proper website view based on my role after I logged in
Development Risks	Secure connection protocol may be required.
Preconditions	The database is connected and initialized.

Post-conditions	The user has successfully log into the platform and see the homepage, or redirect to Dornsife, or user still keep in the login page with error message.		
Typical Course of Action		**Actor Input**	**System Response**
	1	Enter username and password in the login form	
	2	Click "Log in" button	
	3		Verify input username and password combination by Shibboleth
	4		Check the user's role in our database
	5		Redirect to a specific index page based on his current role
Alternative Course of Action (Forget Password)		**Actor Input**	**System Response**
	1	Click "Forget Password" button	
	2		Link to Dornsife registration system "forget password"
Exceptional Course of Action (Wrong username/password combination)		**Actor Input**	**System Response**
	1	Enter username and password in the login form	
	2	Click "Log in" button	
	3		Verify input username and password combination
	4		Display the failure login information in the login page

Export check-in

Use Case Descriptions

Main			
Identifier	UC06: Export check-in		
Purpose	View volunteers' attendance to help grading and comment to volunteers		
Requirements	WC_2610: As a program assistant, I can export my students check-ins information which includes(date,time,and site).		
Development Risks	None		
Preconditions	The user has logged into the system as Program Assistant. The attendance records are ready.		
Post-conditions	Program assistant can know the result of attendance for the selected volunteer. Or no available record is displayed.		
Typical Course of Action		**Actor Input**	**System Response**
	1	Click on "view" link	
	2		show the record of the student.
	3	Click on "export to excel"	

	4		pop out the frame to ask user to choose directory and file name.
	5	select directory and file name and save.	
Exceptional Course of Action (Fail to get record)		**Actor Input**	**System Response**
	1	Click on "view" button	
	2		show nothing about the record
	3	Click "Export"	
	4		have no action for the click

View JEP documents

Use Case Descriptions

Main			
Identifier	UC04: View JEP Documents		
Purpose	To see JEP documents		
Requirements	WC_2781: As a JEP volunteer, I can view a list of all JEP documents.		
Development Risks	None		
Preconditions	The user has logged into the system as a volunteer. The list of JEP documents are ready.		
Post-conditions	Display the content of the selected JEP document. Or no document can be find.		
Typical Course of Action		**Actor Input**	**System Response**
	1	Click "My Documents" link	
	2		Verify the existence of documents
	3		Redirect to a page with the list of documents
	4	Click the specific document name which the user wants to download	
	5		Download the documents into the local machine

Search volunteer information

Use Case Descriptions

Main	
Identifier	UC13: Search volunteer Information
Purpose	To search specific volunteers information from all JEP volunteers
Requirements	WC_2794: As JEP Admin, I can search student view and their information
Development Risks	None

Preconditions	The user has logged into the system as JEP admin.		
Post-conditions	View the specific volunteer information, or no volunteer is found.		
Typical Course of Action		**Actor Input**	**System Response**
	1	Click on " Volunteer Info" link	
	2		show the criteria options for the search
	3	enter the criteria and click "search"	
	4		show the table contain volunteer base on the criteria
	5	click "detail info"	
	6		Display the specific volunteer's information
Exceptional Course of Action (The input name and ID are invalid)		**Actor Input**	**System Response**
	1	Click on " Volunteer Info" link	
	2		show the criteria options for the search
	3	Enter the volunteer's name and ID	
	4		show nothing in the table

Get directions

Use Case Descriptions

Main			
Identifier	UC03: Get directions		
Purpose	Get the directions from current location to site by various transportation methods.		
Requirements	WC_2643: As a JEP volunteer, I can see maps to and from community sites and USC.		
Development Risks	Some sites may not near street.		
Preconditions	The user has logged into the system as Volunteer. The user is currently on the Check In page		
Post-conditions	Show the navigation from current location or specific location to site.		
Typical Course of Action		**Actor Input**	**System Response**
	1	Click "Direction" button for a specific site in the Check In page	
	2		Display the map with directions from my current location to site with default "driving" mode
Alternative Course of Action (Change Mode of Transport)		**Actor Input**	**System Response**

	1	Click "Direction" button for a specific site in the Check In page	
	2		Display a map with a selection form for transportation
	3	Select a transport mode	
	4		Display the map with directions from my specific location to site by using selected transport method

View schedule information

Use Case Descriptions

Main			
Identifier	UC05: View schedule information		
Purpose	Display schedule to user		
Requirements	WC_2645: As a JEP volunteer, I can log in and find my site information including location, description, and site times that I am supposed to go there.		
Development Risks	None		
Preconditions	The user has logged into the system as a volunteer.		
Post-conditions	Display the schedule or non-existence alert to user		
Typical Course of Action		**Actor Input**	**System Response**
	1	Click "My Schedule" link	
	2		Check the existence of schedule
	3		Display MySchedule Page with schedule information
Exceptional Course of Action (Fail to get schedule)		**Actor Input**	**System Response**
	1	Click "My Schedule" link	
	2		Check the existence of schedule
	3		Display MySchedule Page with non-existence alert

View my sites information

Use Case Descriptions

Main	
Identifier	UC02: View my site information
Purpose	To know the information about the assigned community site

Requirements	WC_2645: As a JEP volunteer, I can log in and find my site information including location, description, and site times that I am supposed to go there.
Development Risks	None
Preconditions	The user has logged into the system as a volunteer. The JEP admin has created the site information.
Post-conditions	Get the information about my specific site. Or nothing has been displayed.

Typical Course of Action

	Actor Input	System Response
1	Click "Check In" tab in the main page	
2		Check whether the students has been assigned to at least one site.
3		Display the assigned sites list
4	Click "View" icon for a specific site	
5		Display this site's information on a new page

Exceptional Course of Action
(No Site information)

	Actor Input	System Response
1	Click "Check In" tab in the main page	
2		Check whether the students has been assigned to at least one site.
3		Pop up alert: no site information

Check in

Use Case Descriptions

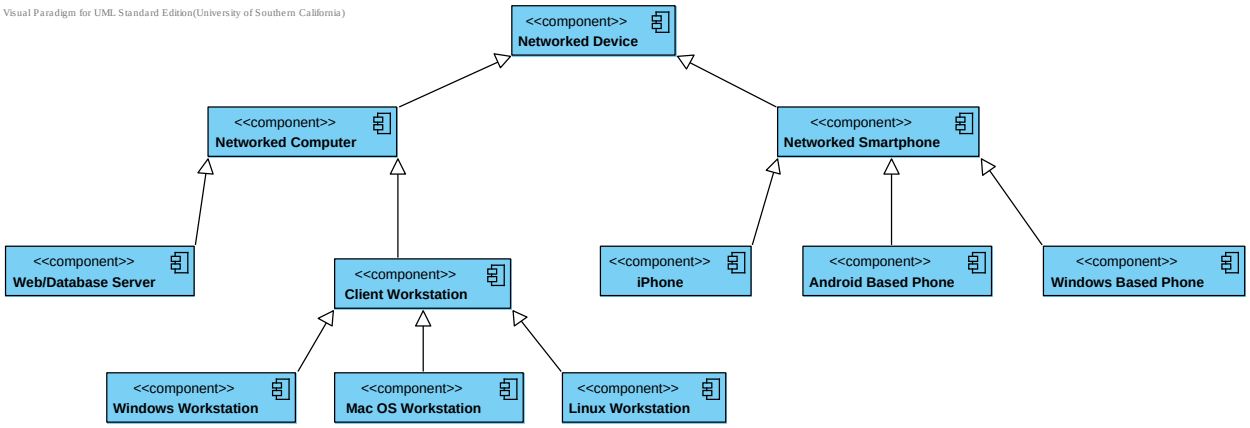
Main	
Identifier	UC01: Check in
Purpose	Allow volunteers check in at specific sites
Requirements	WC_2609: As a JEP volunteer, I can check-in my geo location on through the website either from my phone or pc, to confirm my attendance at a school or volunteer site. WC_2651: As a JEP volunteer, I get a message when I check in
Development Risks	May produce high traffic load to Google Maps API
Preconditions	The user has logged into the system as a volunteer.
Post-conditions	The check-in record would be saved in database and display success message, or display alert message.

Typical Course of Action

	Actor Input	System Response
1	Click "Check In" tab in the main page	
2		Open a new page with the site lists and Check In button

	3	Click a specific site's Check In button	
	4		Compare the current location with the site location
	5		Pop-up success check-in announcement based on the comparison result
Exceptional Course of Action (Failure: out of site range)		**Actor Input**	**System Response**
	1	Click "Check In" tab in the main page	
	2		Open a new page with the site lists and Check In button
	3	Click a specific site's Check In button	
	4		Compare the current location with the site location
	5		Pop-up alert : Check In fail

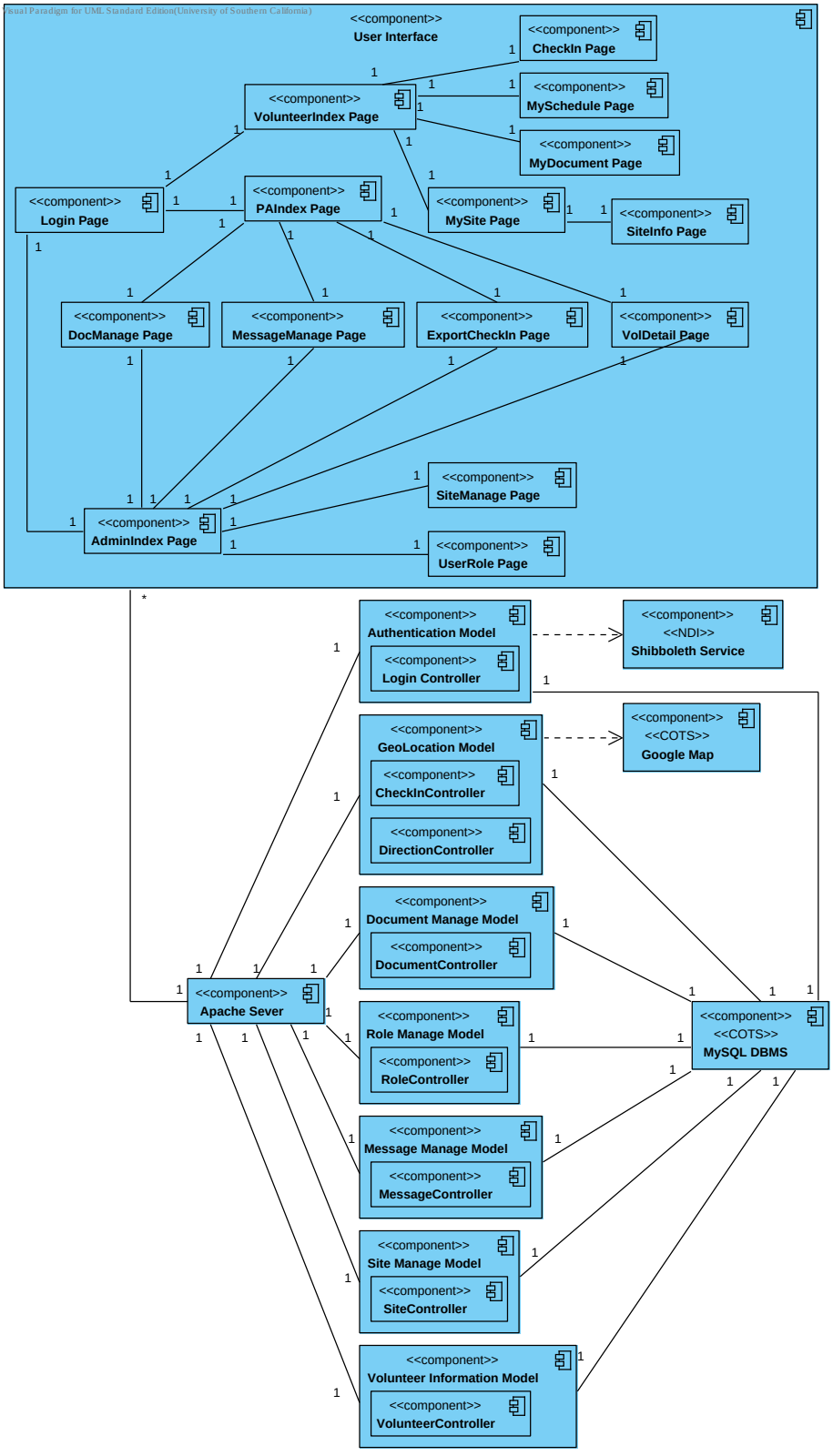
Hardware Component Class Diagram



Details

- Networked Device
- Networked Computer
- Networked Smartphone
- Web/Database Server
- iPhone
- Android Based Phone
- Windows Based Phone
- Client Workstation
- Windows Workstation
- Mac OS Workstation
- Linux Workstation

Software Component Class Diagram



Details

User Interface

Children

Name	Documentation
CheckIn Page	
MySchedule Page	
VolunteerIndex Page	
MyDocument Page	
PAIndex Page	
Login Page	
MySite Page	
SiteInfo Page	
DocManage Page	
MessageManage Page	
ExportCheckIn Page	
VolDetail Page	
SiteManage Page	
AdminIndex Page	
UserRole Page	

Resident Components

Name	Documentation
Login Page	
VolunteerIndex Page	
PAIndex Page	
AdminIndex Page	
VolDetail Page	
UserRole Page	
MySchedule Page	
SiteManage Page	
CheckIn Page	
MyDocument Page	
DocManage Page	
MySite Page	
SiteInfo Page	
MessageManage Page	
ExportCheckIn Page	

- CheckIn Page
- MySchedule Page
- VolunteerIndex Page
- MyDocument Page
- PAIndex Page
- Login Page
- MySite Page
- SiteInfo Page
- DocManage Page
- MessageManage Page
- ExportCheckIn Page
- VolDetail Page
- SiteManage Page

AdminIndex Page

UserRole Page

Authentication Model

Children

Name	Documentation
Login Controller	

Resident Components

Name	Documentation
Login Controller	

Shibboleth Service

Login Controller

Google Map

GeoLocation Model

Children

Name	Documentation
CheckInController	
DirectionController	

Resident Components

Name	Documentation
CheckInController	
DirectionController	

CheckInController

DirectionController

Document Manage Model

Children

Name	Documentation
DocumentController	

Resident Components

Name	Documentation
DocumentController	

DocumentController

Apache Sever

Role Manage Model

Children

Name	Documentation
RoleController	

Resident Components

Name	Documentation
RoleController	

MySQL DBMS

RoleController

Message Manage Model

Children

Name	Documentation
MessageController	

Resident Components

Name	Documentation
MessageController	

MessageController

Site Manage Model

Children

Name	Documentation
SiteController	

Resident Components

Name	Documentation
SiteController	

SiteController

Volunteer Information Model

Children

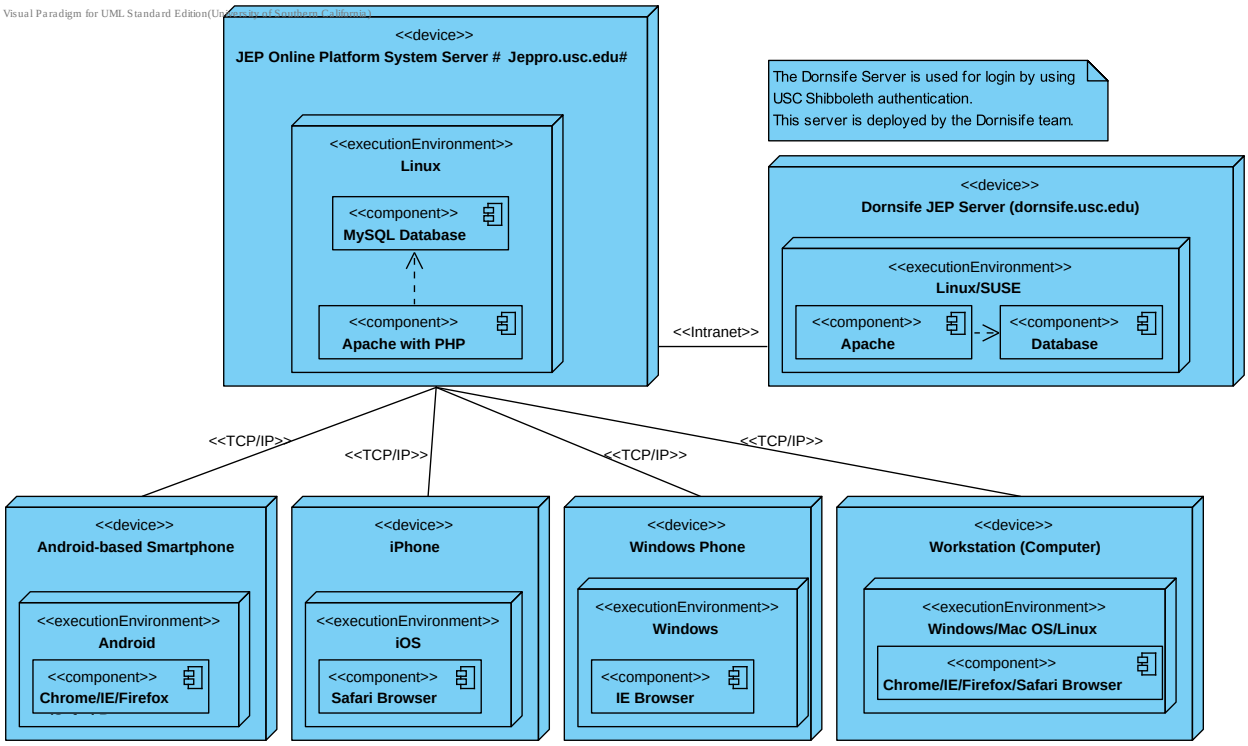
Name	Documentation
VolunteerController	

Resident Components

Name	Documentation
VolunteerController	

VolunteerController

Deployment Diagram



Details

JEP Online Platform System Server #Jeppro.usc.edu#

Nested Nodes

Name	Documentation
Linux	

Linux

Resident Components

Name	Documentation
MySQL Database	
Apache with PHP	

Dornsife JEP Server (dornsife.usc.edu)

Nested Nodes

Name	Documentation
Linux/SUSE	

MySQL Database

Linux/SUSE

Resident Components

Name	Documentation
Apache	
Database	

Apache with PHP

Apache

Database

Android-based Smartphone

Nested Nodes

Name	Documentation
Android	

iPhone

Nested Nodes

Name	Documentation
iOS	

Windows Phone

Nested Nodes

Name	Documentation
Windows	

Workstation (Computer)

Nested Nodes

Name	Documentation
Windows/Mac OS/Linux	

Windows

Resident Components

Name	Documentation
IE Browser	

Windows/Mac OS/Linux

Android

Resident Components

Name	Documentation
Chrome/IE/Firefox/Safari Browser	

iOS

Resident Components

Name	Documentation
Safari Browser	

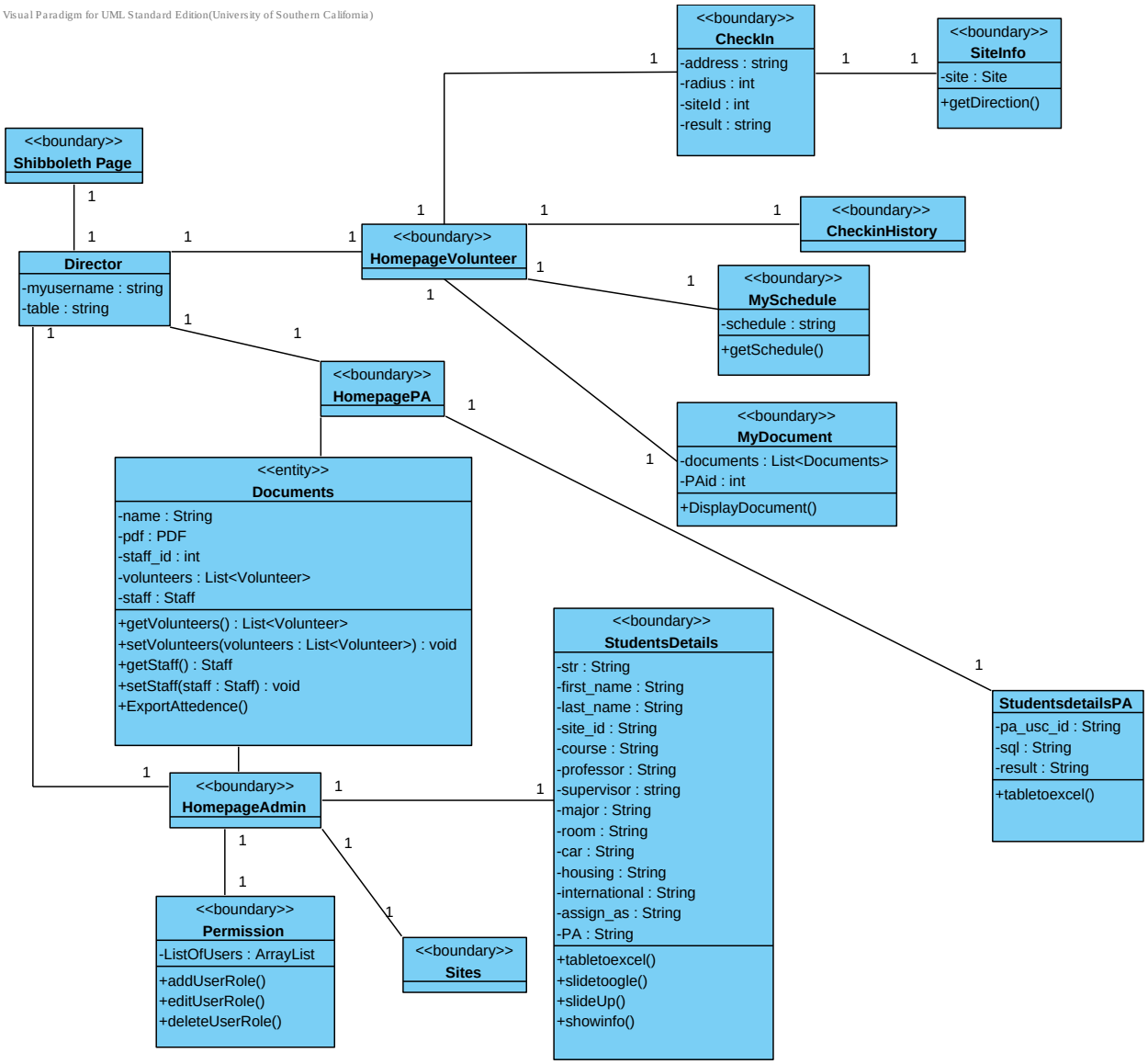
Chrome/IE/Firefox/Safari Browser

Safari Browser

IE Browser

N/A

User Interface Class Diagram



Details

CheckIn

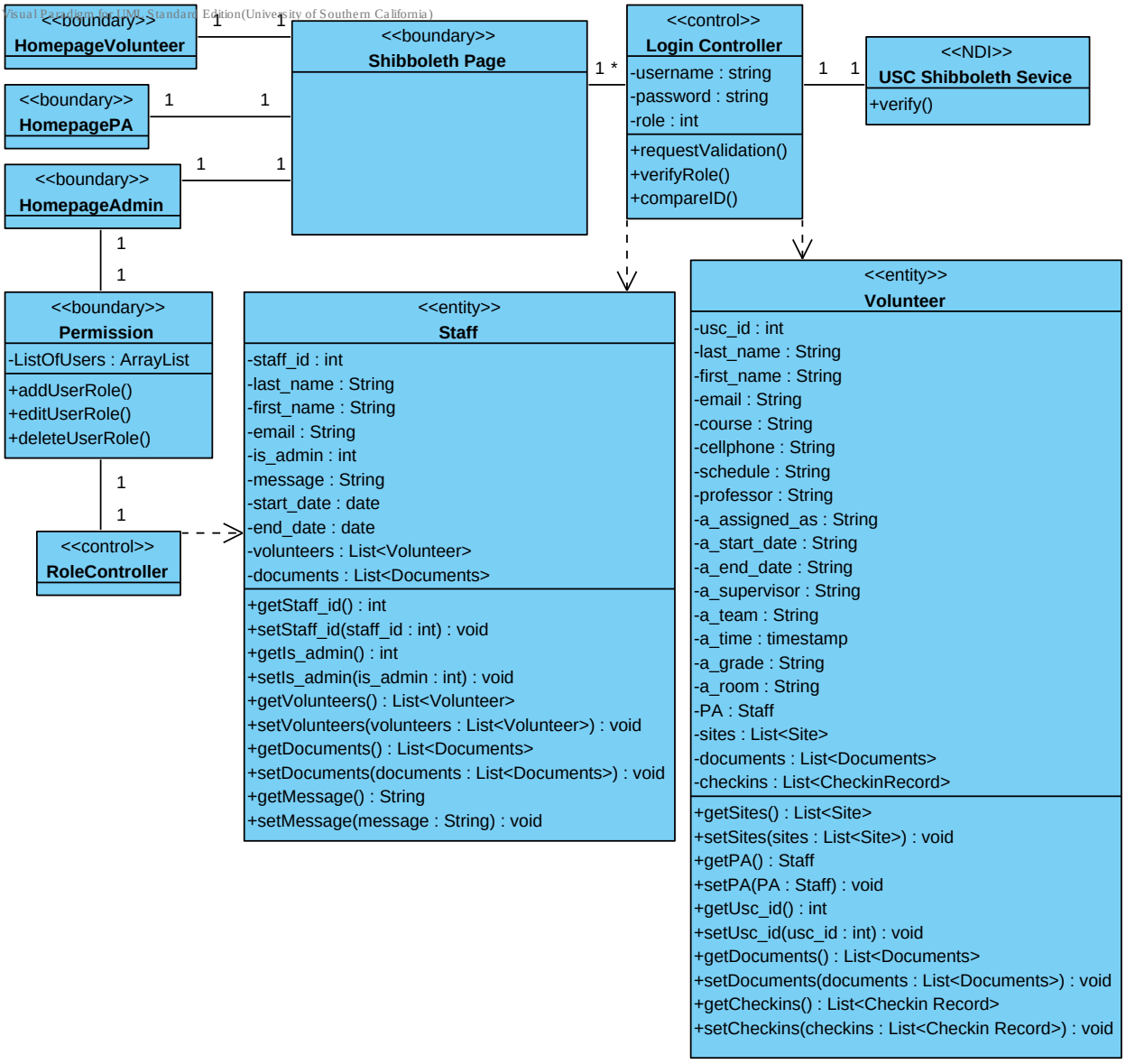
SiteInfo

Shibboleth Page

CheckinHistory

- HomepageVolunteer
- Director
- MySchedule
- HomepagePA
- MyDocument
- Documents
- StudentsDetails
- StudentsdetailsPA
- HomepageAdmin
- Permission
- Sites

Login and Role Management Class Diagram



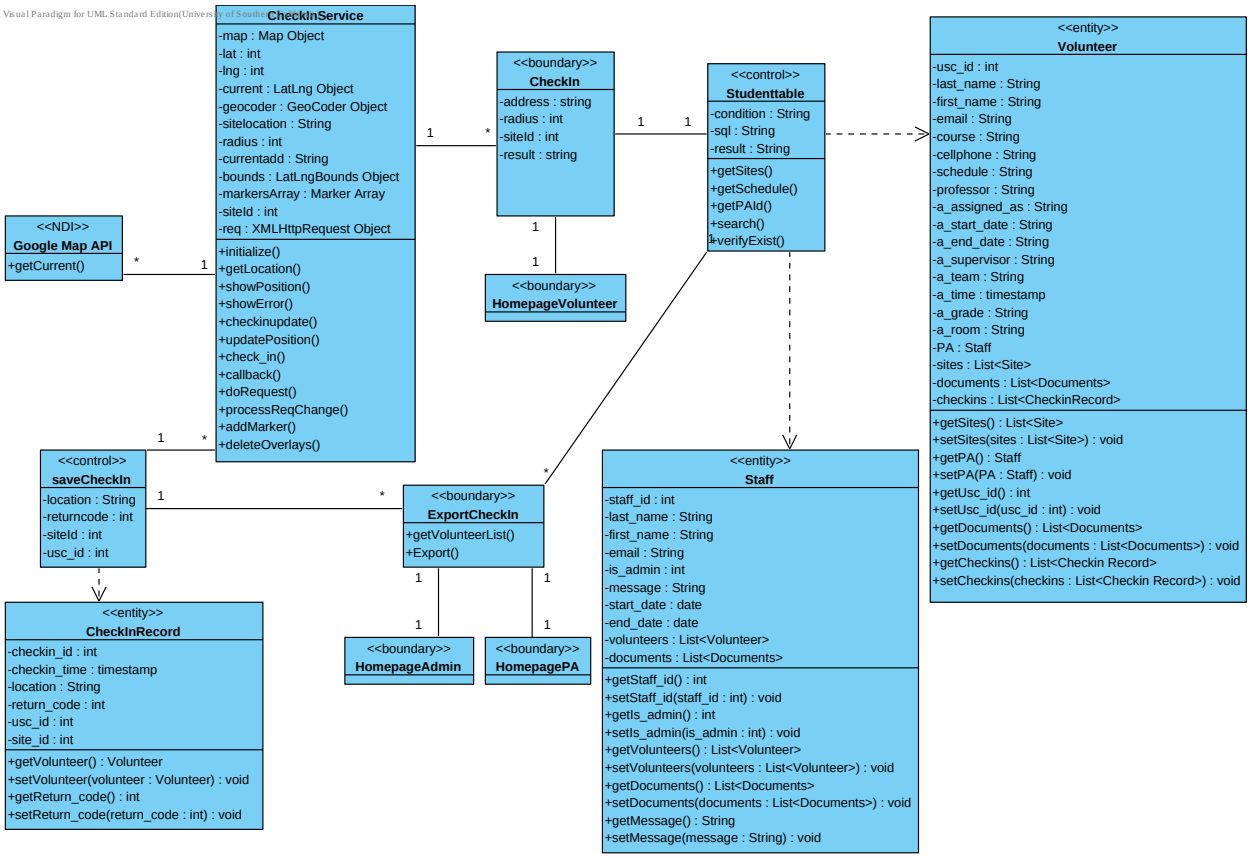
Details

HomepageVolunteer

Login Controller

- Shibboleth Page
- USC Shibboleth Sevice
- HomepagePA
- HomepageAdmin
- Volunteer
- Permission
- Staff
- RoleController

Check-in Class Diagram

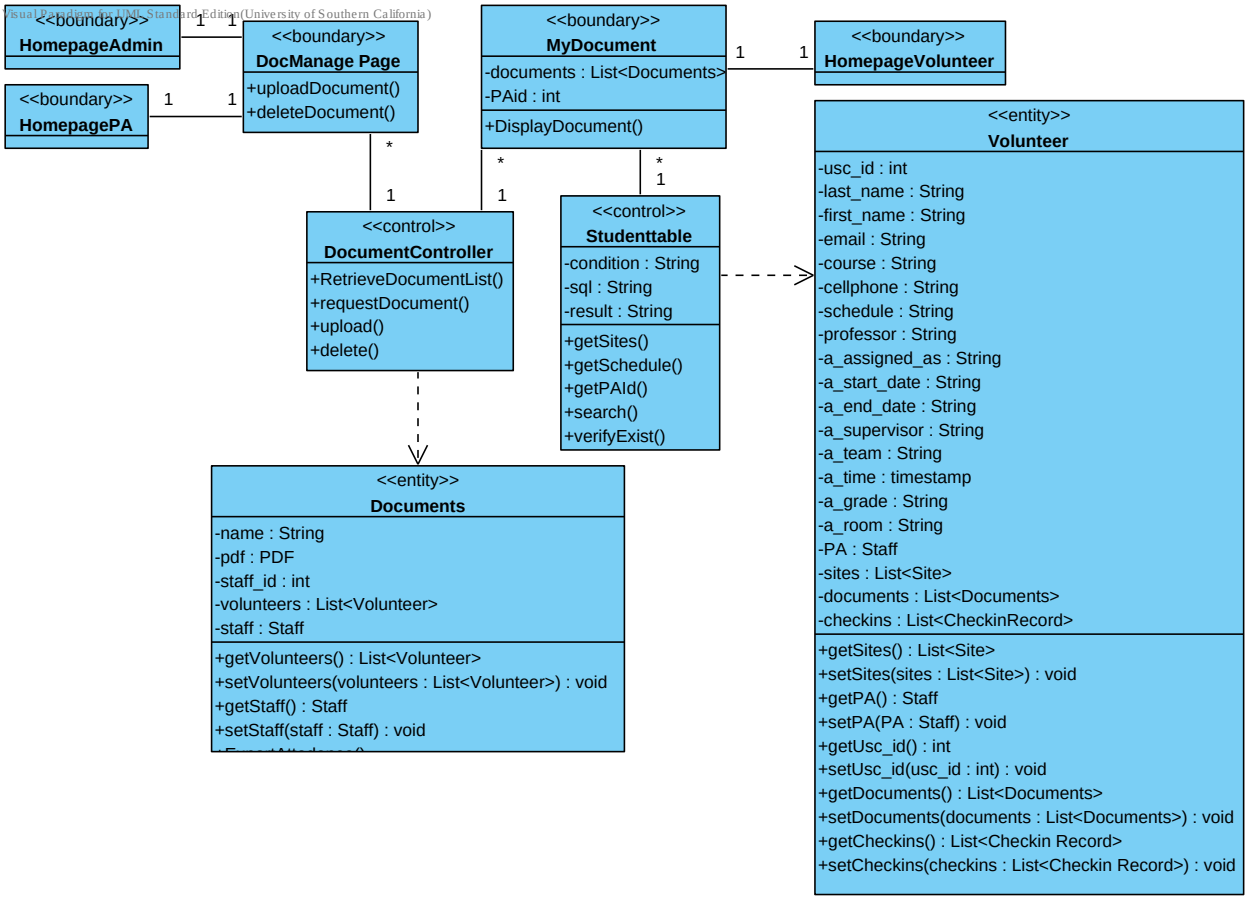


Details

- **CheckInService**
- **Volunteer**
- **CheckIn**
- **Studenttable**
- **Google Map API**
- **HomepageVolunteer**
- **saveCheckIn**
- **Staff**

- ExportCheckIn
- CheckInRecord
- HomepageAdmin
- HomepagePA

Document Management Class Diagram



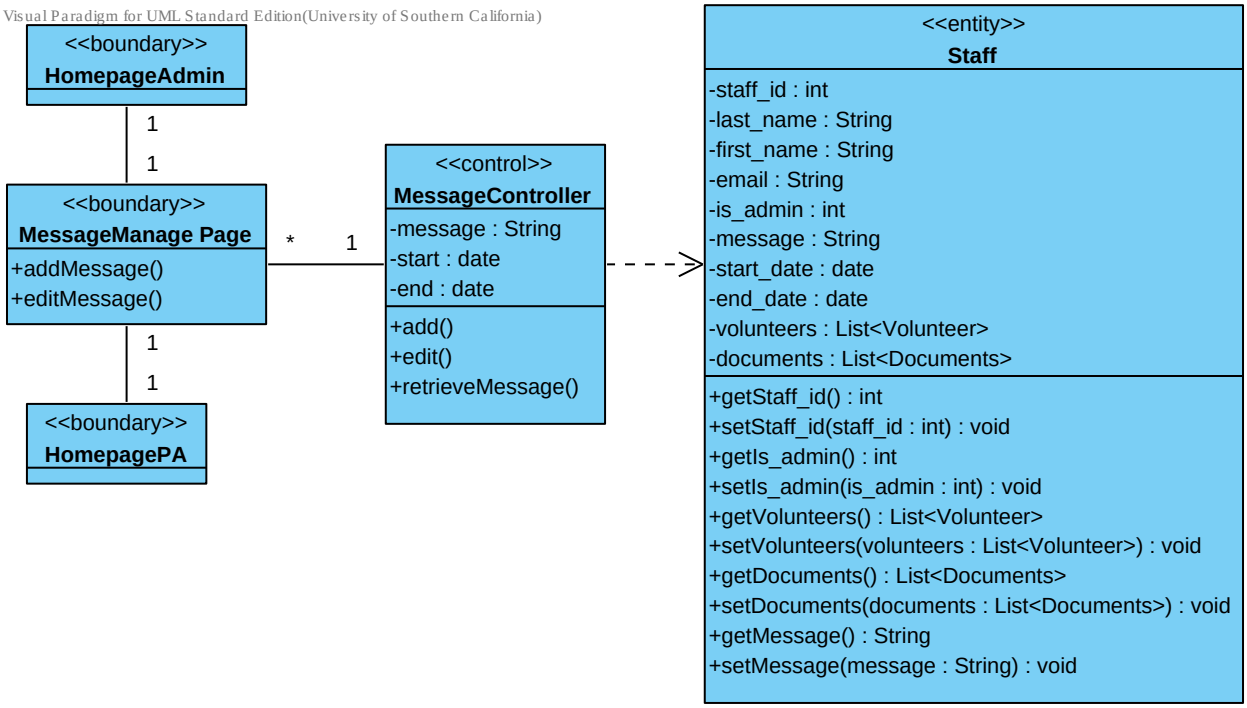
Details

- **HomepageAdmin**
- **MyDocument**
- **DocManage Page**
- **HomepageVolunteer**
- **HomepagePA**
- **Volunteer**
- **Studenttable**

DocumentController

Documents

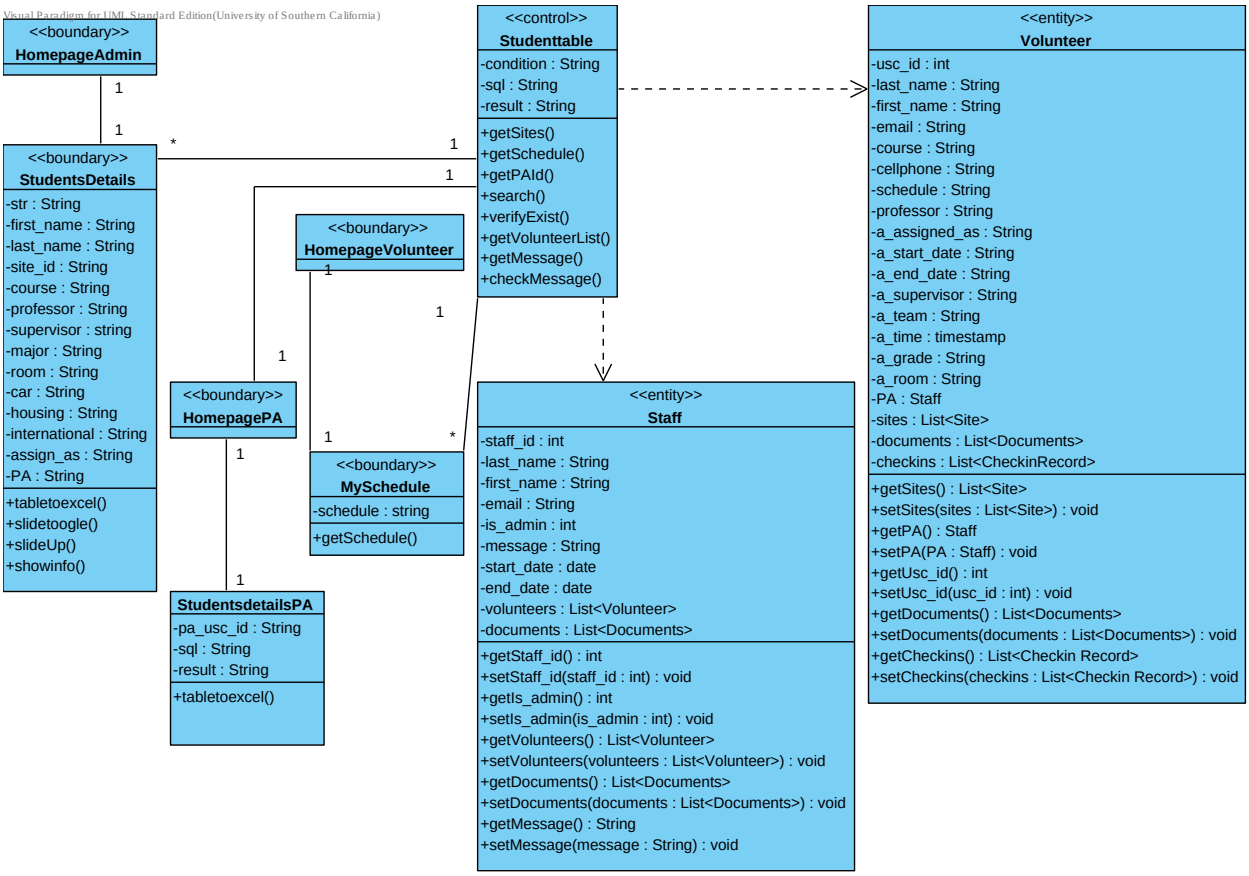
Message Management Class Diagram



Details

- **Staff**
- **HomepageAdmin**
- **MessageController**
- **MessageManage Page**
- **HomepagePA**

Volunteer Class Diagram



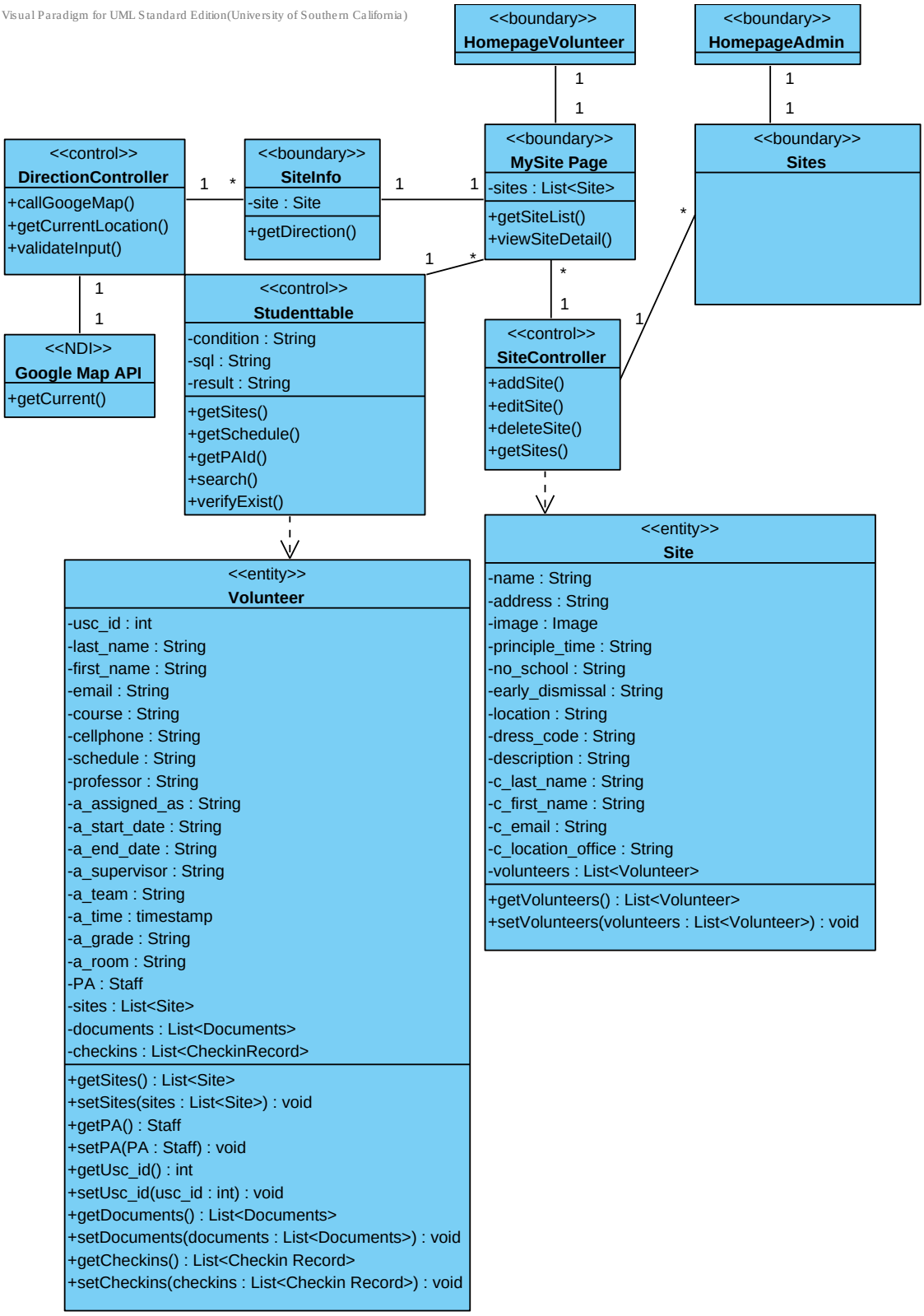
Details

- **Studenttable**
- **Volunteer**
- **HomepageAdmin**
- **StudentsDetails**
- **HomepageVolunteer**
- **HomepagePA**
- **Staff**
- **MySchedule**

StudentsdetailsPA

Site Management Diagram

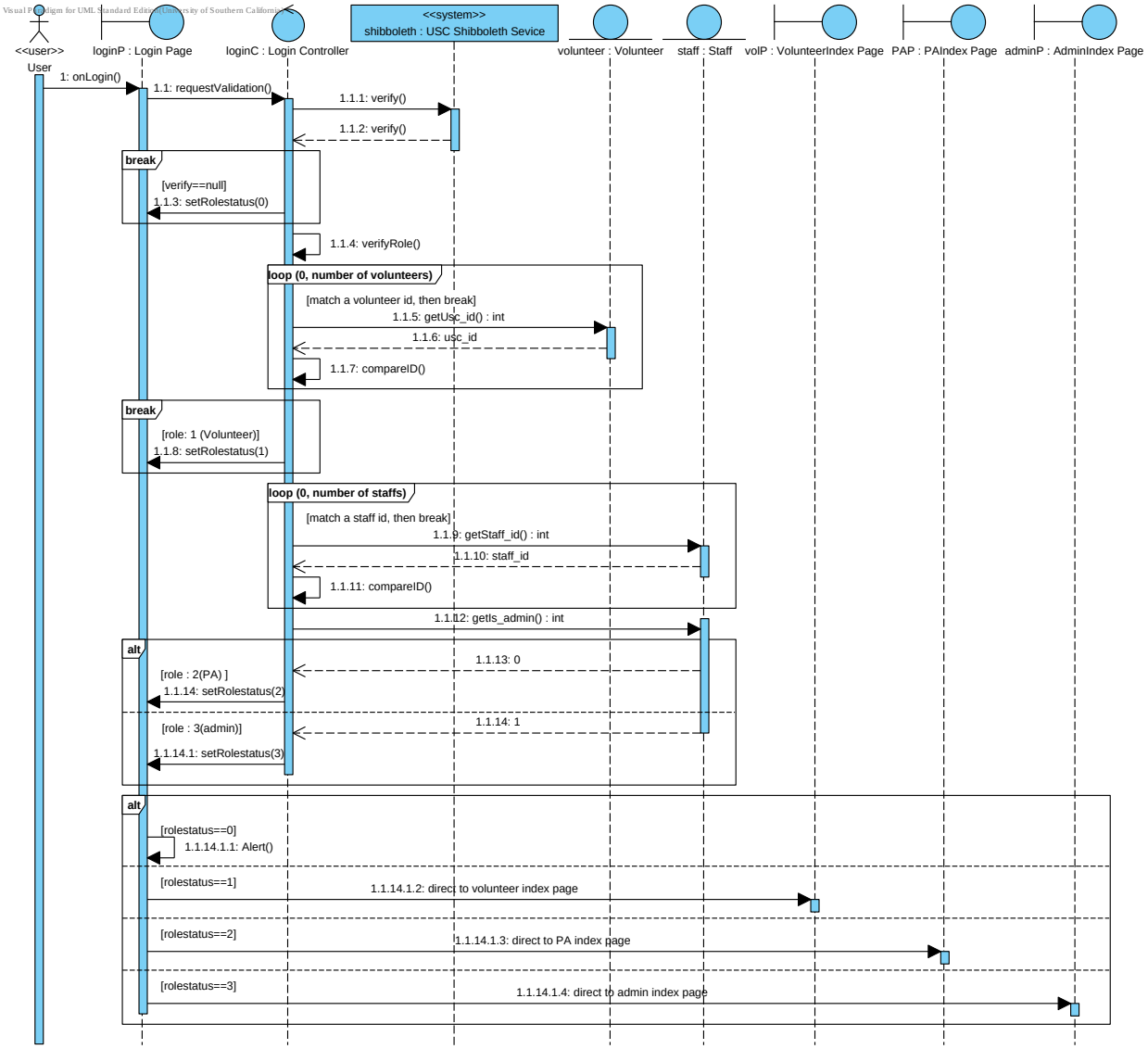
Visual Paradigm for UML Standard Edition(University of Southern California)



Details

- HomepageVolunteer
- HomepageAdmin
- MySite Page
- Sites
- DirectionController
- SiteInfo
- Studenttable
- SiteController
- Google Map API
- Site
- Volunteer

Login Sequence Diagram



Details

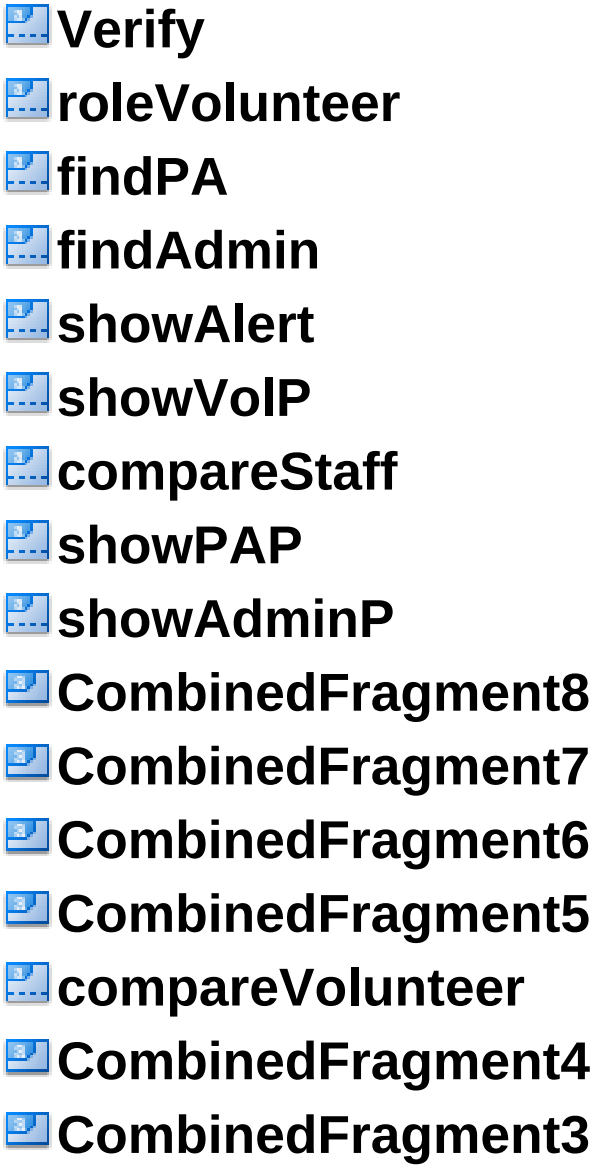
User

loginP : Login Page

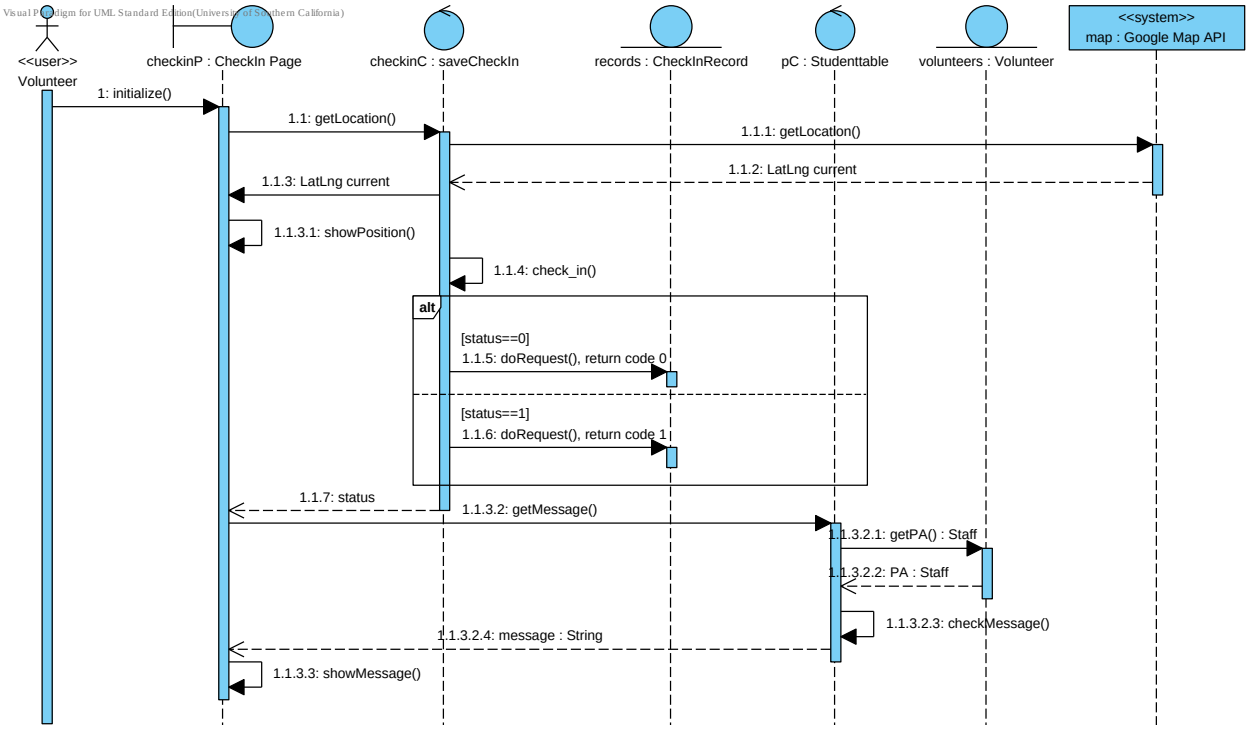
loginC : Login Controller

shibboleth : USC Shibboleth Sevice

- **volunteer : Volunteer**
- **staff : Staff**
- **volP : VolunteerIndex Page**
- **PAP : PAIndex Page**
- **adminP : AdminIndex Page**


Verify
roleVolunteer
findPA
findAdmin
showAlert
showVolP
compareStaff
showPAP
showAdminP
CombinedFragment8
CombinedFragment7
CombinedFragment6
CombinedFragment5
compareVolunteer
CombinedFragment4
CombinedFragment3

Checkin Sequence Diagram



Details

- Volunteer
- checkinP : CheckIn Page
- checkinC : saveCheckIn
- map : Google Map API
- records : CheckInRecord
- pC : Studenttable
- volunteers : Volunteer
- chickinfail
- checkinsuccess
- CombinedFragment