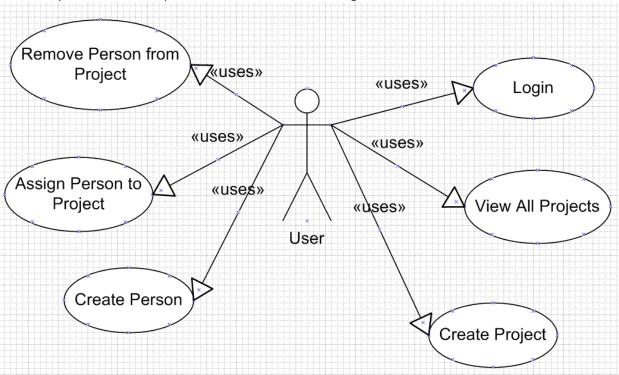
The Projector

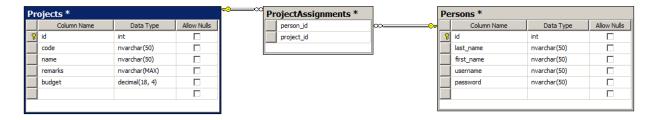
Create a project monitoring system that is able to:

- Create and list projects
- Create and list persons
- Assign persons to projects

For a complete feature set, please refer to the use-case diagram below:



The requirements is supported by the proposed database schema (you may add/remove tables or columns from the proposed schema)



Requirements

Use-case Name	Login		
Actor	User		
Pre-condition	User is not logged in		
Expected URL	GET http://localhost/projector/signin		
Format	POST http://localhost/projector/signin		
Story Details	As a user, I should be able to see the login screen and enter my credentials to be		
	authenticated by the system.		
	The login screen should be able to accept a username in the form of an e-mail		
	address which should be 5 to 200 characters long and a password which should be		
	7 to 11 characters long.		
Exceptions	The user should be redirected to the list of projects page if already logged in.		
Remarks			
	Username		
	text		
	Password		

	button		

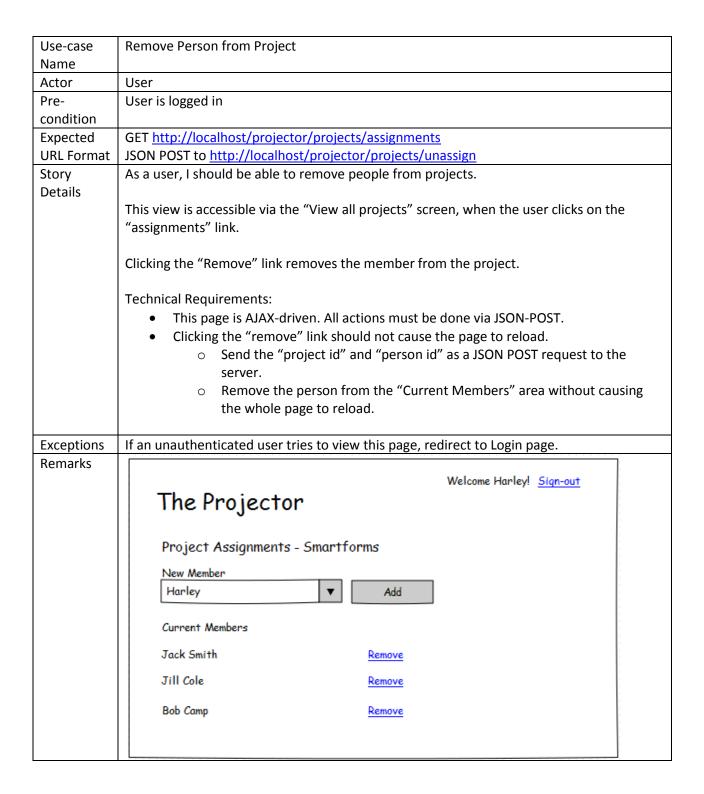
Use-case Name	View All Projects				
Actor	User				
Pre-condition	User is logged in				
Expected URL	GET http://localhost/projector/projects				
Format					
Story Details	As a user, I should be able to see all the projects that are stored in the system. In addition to showing the available projects, the screen should provide links to the following functionality • Create Project • Create Person				
					ts, the screen should provide links to
Exceptions					
Remarks	If there are no projects available in the system, show the message "No projects available" instead of an empty table. Welcome Harley! Sign-out				
	Project Name	Budget	Tasks		Other Tasks
	Smartforms	200 MD	<u>Assignments</u>		Create Project
	Loyalty Program	150 MD	<u>Assignments</u>		Create Person
	BusinessMall	400 MD	<u>Assignments</u>	\neg	

Use-case Name	Create Project		
Actor	User		
Pre-condition	User is logged in		
Expected URL	GET http://localhost/projector/projects/create		
Format	POST http://localhost/projector/projects/create		
Story Details	As a user, I should be able to create new projects in the system.		
Exceptions	If an unauthenticated user tries to view this page, redirect to Login page.		
Remarks	The Projector		
	Create Project		
	Code		
	Name		
	text		
	Budget		
	numeric		
	Remarks		
	text		
	Save		

Use-case Name	Create Person			
Actor	User			
Pre-condition	User is logged in			
Expected URL	GET http://localhost/proj	GET http://localhost/projector/persons/create		
Format	POST http://localhost/property	POST http://localhost/projector/persons/create		
Story Details	As a user, I should be able to create new persons that I can assign to projects.			
	Field Definitions:			
	Field	Length	Format	
	Last name	2 to 50	Alpha	
	First Name	2 to 50	Alpha	
	Username	5 to 200	E-Mail	
	Password	7 to 11	Alpha-numeric, special	characters
			allowed, spaces not allo	owed.
Exceptions Remarks		er tries to view	this page, redirect to Logi	in page.
	The Projector			
	Create Person			
	Last name			
	text			
	First Name			
	text			
	Username			
	numeric			
	Password			

			Save	
				i.

Use-case	Assign Person to Project			
Name				
Actor	User			
Pre-	User is logged in			
condition				
Expected	GET http://localhost/projector/projects/assignments			
URL Format	JSON POST to http://localhost/projector/projects/assign			
Story Details	As a user, I should be able to assign people to projects.			
	This view is accessible via the "View all projects" screen, when the user clicks on the "assignments" link.			
	Clicking the "Add" button adds the member to the project.			
	Note: Only persons that are not currently assigned to the project should be available in the dropdown list.			
	Technical Requirements:			
	This page is AJAX-driven. All actions must be done via JSON-POST.			
	Clicking "add" should not cause the page to reload.			
	 Clicking add should not cause the page to reload. Send the "project id" and "person id" as a JSON POST request to the 			
	server.			
	 Add the new person to the "Current Members" area without causing the 			
	whole page to reload.			
	0			
Exceptions	If an unauthenticated user tries to view this page, redirect to Login page.			
Remarks				
	Welcome Harley! Sign-out			
	The Projector			
	Project Assignments - Smartforms			
	New Member			
	Harley ▼ Add			
	Current Members			
	Jack Smith Remove			
	Jill Cole Remove			
	Bob Camp Remove			



Technical Requirements

You are required to use the following to complete the application:

- PHP 5.5 (or later)
- Symfony 2 or 3
- Doctrine
- MySQL (or MariaDB)
- HTML 4 or 5 (use the appropriate doctype)
- CSS
- Javascript

Optional Technology

- Vagrant
- Docker
- AngularJS (1.x)
- Gulp

Technical Guidance

These are the suggested artifacts that we need to implement the application. However, feel free to use your own code organization style to show your real software design prowess. © Not using any of the suggested components will not be taken against you.

Controllers	ProjectsController	Logic for controllers should be limited to:
	PersonsController	fetching/resolving the correct models/service
	SignInController	AND redirecting to or returning the
		appropriate view/resource
Services	ProjectService	
	PersonService	
Entities	Project	
	Person	
Models	SignInInputModel	Not recommended to use Database Entities
	CreateOrUpdateProjectInputModel	for persistence as parameters to controller
	AssignProjectInputModel	actions.
	UnassignProjectInputModel	
	ProjectsViewModel	
	ProjectAssignmentsViewModel	