

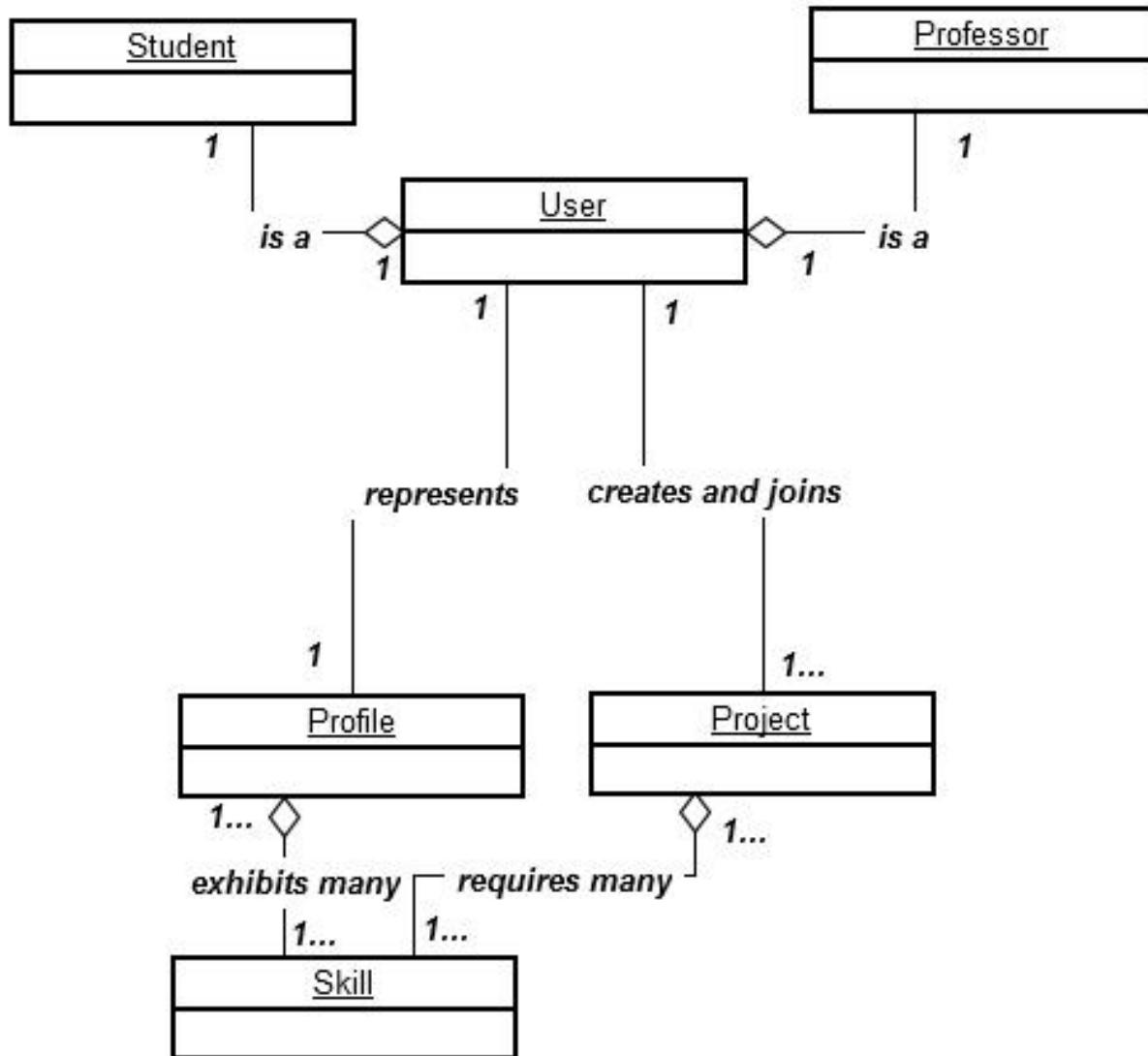
**Team 04**

# TeamBuilder System

## Phase 1: 'Create a Project'

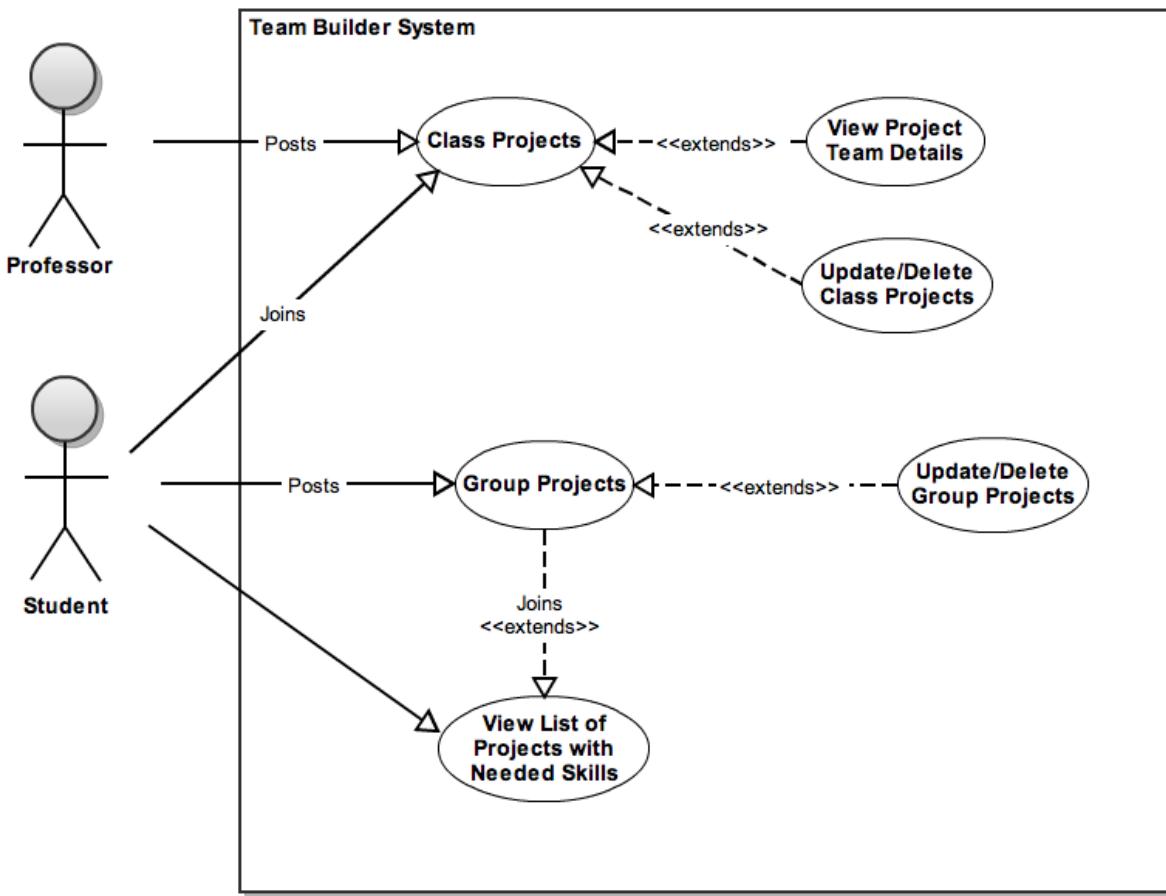
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## Domain Model



## Use-Case Model

### Use Case Diagram Encompassing A Level Use Cases



### Use-Case 1: 'User Creates A Project'

1. User logs in
2. User selects "Create A Project"
3. System navigates to "New Project" page
4. User selects Skills Needed
5. User fills remaining fields
6. User selects "Submit Project"
7. System creates a new project in the database with all the appropriate information

## Error Case 1: User doesn't complete all necessary fields.

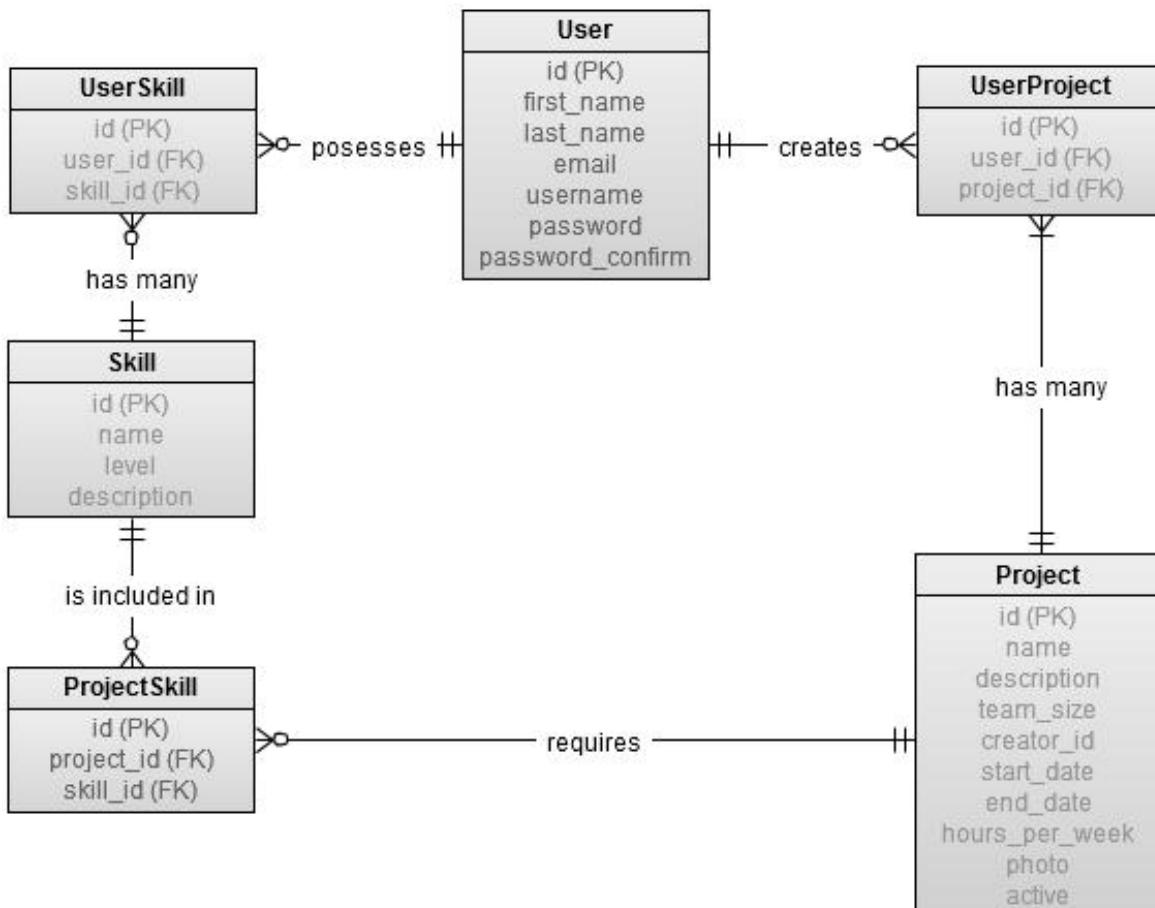
After step 6, if not all required fields are completed, remain on "New Project" page and show appropriate validation issues.

## Error Case 2: User completes fields incorrectly

After step 6, if there are fields that are completed incorrectly, remain on "New Project" page and show appropriate validation issues.

# Database Design

## Entity-Relationship Diagram



## Data Dictionary (Database Schema)

<b>Skill</b>		
<b>Name</b>	<b>Type</b>	<b>Example</b>
id (PK)	Int	0012345
name	String	Programmer
level	Int	2
description	Text	Programmers must be proficient in Java, C++, and Ruby on Rails.

<b>UserSkill</b>		
<b>Name</b>	<b>Type</b>	<b>Example</b>
id (PK)	Int	0012345
user_id (FK)	Int	1231929
skill_id (fk)	Int	3238

<b>User</b>		
<b>Name</b>	<b>Type</b>	<b>Example</b>
id (PK)	Int	0012345
first_name	String	Raja
last_name	String	3238
email	String	Sooriamurthi
username	String	Rajasoo
password	String	ISrulez
password_confirm	String	ISrulez

<b>UserProject</b>		
<b>Name</b>	<b>Type</b>	<b>Example</b>
id (PK)	Int	0012345
user_id (FK)	Int	1231929
project_id (fk)	Int	3238

<b>ProjectSkill</b>		
<b>Name</b>	<b>Type</b>	<b>Example</b>
id (PK)	Int	0012345
project_id (FK)	Int	1231929
skill_id (fk)	Int	3238

Project		
Name	Type	Example
id (PK)	Int	0012345
name	String	TeamBuilder
description	Text	TeamBuilder is aiming to develop an application that facilitates recruiting for project team members.
team_size	Int	3
start_date	Date	11/15/2011
end_date	Date	12/30/2011
hours_per_week	Int	5
photo	String	photo.jpg
active	Boolean	true
creator_id (FK)	Int	54