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# Critique for urop. io

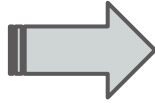
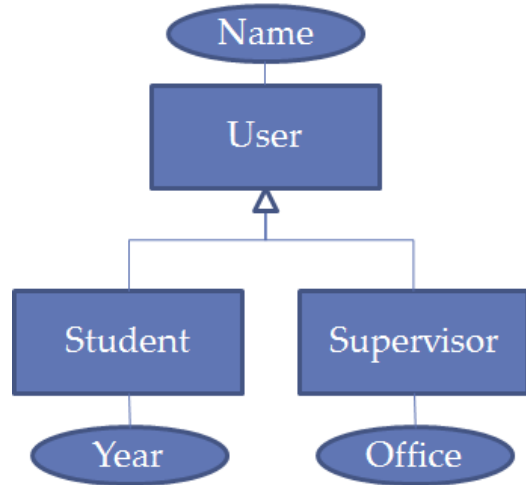
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From Team BRSC

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# Single Table Inheritance

- urop.io has three tables: users, students, supervisors
- Inheritance can be implemented with one table – Single Table Inheritance



Name	Year	Office	Type
John	2014		Student
Adam		Stata	Supervisor

Pro

- Easy to implement
- Reuse of code

Con

- Too many null values in database
- May not be intuitive

# Access controls

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- Once a user submits an application for a posting the button for submit application disappears
  - However one can still submit two applications for the same posting by directly accessing the link: [/uop\\_applications/new?posting\\_id=1](/uop_applications/new?posting_id=1)
  - Make sure to add access control methods for any actions a user might take, even though the user can't access the page through links. (Ex: index action in the User controller is not protected)
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# Do not trust the client

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In the User controller

Do not rely on the client

```
@user = User.find(params[:id])  
  if params[:type] == 'Student'  
    render :action => 'show_student'
```

but rather get the correct information from @user or current\_user

This might trick you in the future.

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# Search functionality

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- The search functionality for postings only searches through the description of the posting. It should also search through the title in case some words in the title do not appear in the description.
- This is the current code:

```
if search
  where('description LIKE ?', "%#{search}%") # Add title here
else
  scoped
end
```