Student 3	Proposal	Approved
Juan	**Step 1: High-Level Requirement** **Use Case Name: Report user's personal and medical information to system** Use Case Brief Description: In this use case, a profile page is provided to a user so he or she can add their detailed personal information that can be accessed and useful to first responders and the team that manages the system. A user could enter things such as first and last name, medical and emergency contact information, and finally, a message or any words to share if tragedy happens. After inserting the data the user will be redirected to his profile page where he can see his data (this will be accessible to admins later). If a user has not filled his personal information, he will be invited to do so after every login or after a certain time.	Y
	Faculty/TA Comments:	
	Step 2: Clickable UI Mockups Link: https://drive.google.com/open?id=13QQ3Tcur6NeuYXbVwkPASUGmU6X8c2ek	Y
	Faculty/TA Comments:	
	Step 3: Elaboration - Use Case Specification See below (min 6 steps in basic flows and 6 alternative flows or rules)	Y
	Faculty/TA Comments:	
	Step 4: Use-Case Analysis Model (OOA) See below	Y
	Faculty/TA Comments:	

Use Case Specification

Participating Actors
The use case is initiated by a Citizen.

Brief Description
In this use case, a profile page is provided to a user so he or she can add detailed personal information that can be accessed and useful to first responders and the team that manages the system. Users or Citizens will be able to enter things such as first and last name, medical and emergency contact information, and finally, a message or any words to share if tragedy happens.

Assumption

The citizen is logged into the system. During iteration 4 we will assume that any citizen can play the Coordinator role and therefore they have access to any user profile through the list of users.

Flow of Events

Basic Flow
1. The use case starts when citizen decides to change or view his personal information (clicking on the menu profile icon)
   2. The system displays the profile page and the user clicks on the edit button available

3. The system displays the user's personal information form and asks the user to enter the information in this step (profile part 1, personal information).
   4. The user enters his name, last name, birth date, city, address, phone number and his emergency contact information.
   5. The user accepts the terms and conditions applicable for sharing private data information and clicks on the save button.
   6. The system validates this information based on the system rules, saves it and moves the user to the next step.

7. The system displays the user's medical information form and asks the user to enter the information in this step (profile part 2, medical information).
   8. The user enters his blood type, marks yes to the prescription drugs question and enters the list of prescribed drugs, marks yes to the allergies question and enters the list of allergies that he has.
   9. The user accepts the terms and conditions applicable for sharing private medical information and clicks on the save button.
   10. The system validates this information based on the system rules, saves it and moves the user to the next step.

11. The system displays the user's other information form and asks the user to enter the information in this step (profile part 3, other information).
   12. The user enters the security question and the message that should be delivered to his emergency contact if something happens to him and clicks on save.
   13. The system validates this information, saves it and moves the user back to his profile page.

14. The System displays the profile page of that user.
15. The User can navigate to the List of Users and click on other users to see their information if he is allowed to do so (See Rule 5.).
   16. The user can respond to other users' security questions to see their personal message.

17. If the response is correct the system will display the personal message. The use case ends.
18. The use case ends.

<u>Alternative Flows</u>
● A1. In step 2 if the user doesn't select to update and the user's information remains empty, the system will display a message every 5 minutes inviting the user to update his information since this is useful for first responders. If the user clicks on update info the flow resumes in step 3, otherwise the user stays in the same page or place.
● A2 In step 5 if the user clicks on the link of the Terms and conditions, a pop-up is displayed with the actual legal text and details of it. The user can then close the pop-up. The system resumes in step 5.
● A3 In step 5 if the user doesn't accept the terms and conditions for sharing privacy data the system displays an error message and doesn't move the user to the medical information form. The system resumes in step 3.
● A4 In step 6 if the information doesn't comply with the validations rules the system displays an error message and doesn't move the user to the medical information form. The system resumes in step 3.
● A5 In step 8 if the user answers with a NO to the drugs question, the text box for drugs is disabled or hidden. Same applies for allergies. The system resumes in step 8.
● A6 In step 9 if the user clicks on the link of the Terms and conditions, a pop-up is displayed with the actual legal text and details of it (medical information terms). The user can then close the pop-up. The system resumes in step 7.
● A7 In step 9 if the user doesn't accept the terms and conditions for sharing private medical data the system displays an error message and doesn't move the user to the medical information form. The system resumes in step 7.
● A8 In step 10 if the information doesn't comply with the validations rules the system displays an error message and doesn't move the user to the other information form.The system resumes in step 7.
● A10 In step 11 the user can click on skip if he doesn't want to enter a message. The system resumes in step 14.
● A11 In step 16 If the user entered a message and didn't enter a security question the system will display an error message and will ask him to enter a security question so that this information is not visible to other people. The system resumes in step 15.
● A12 In step 15 if a user tries to see someone's profile page the system will validate if it is an emergency contact for that user. If the user is not authorized to see this information an error message is displayed. The system resumes in step 15.

<u>Rules</u>
● **1. In the personal information form the following fields are mandatory: name, last name, birth date, city, address, phone number, emergency contact and emergency contact phone number.**

- **2. In the personal information form the following fields require at least 4 characters: city and address**
- **3. In the personal information form the following fields require at least 7 characters: phone number and emergency contact phone number.**
- **4. In the medical information form the following field is mandatory: blood type.**
- **5. Right now only a user that matches the emergency contact email or phone number can see other people's information. When roles are introduced admins will also be able to see these information.**
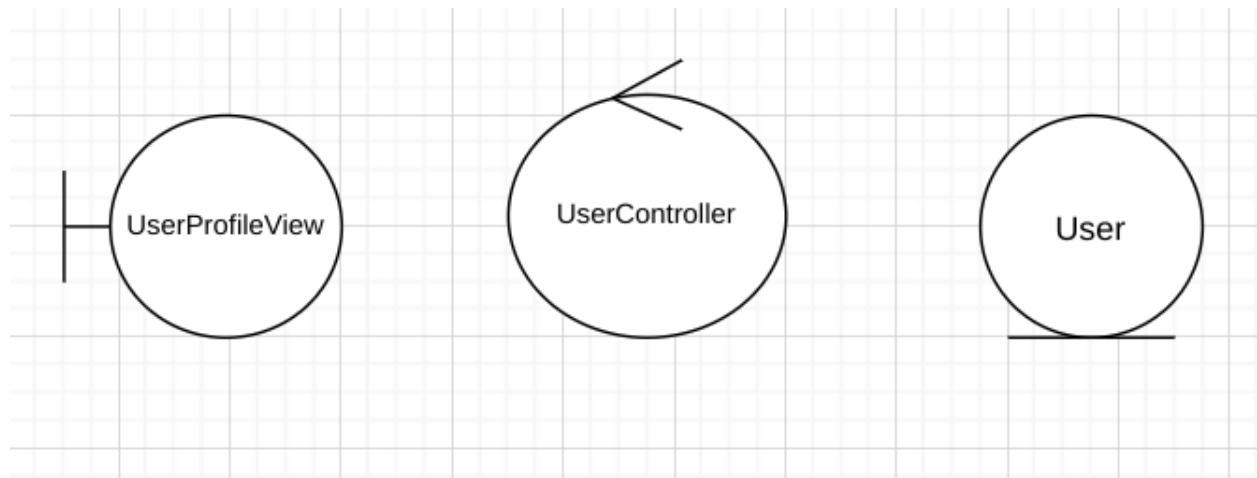
Use Case Analysis Model (OOA)
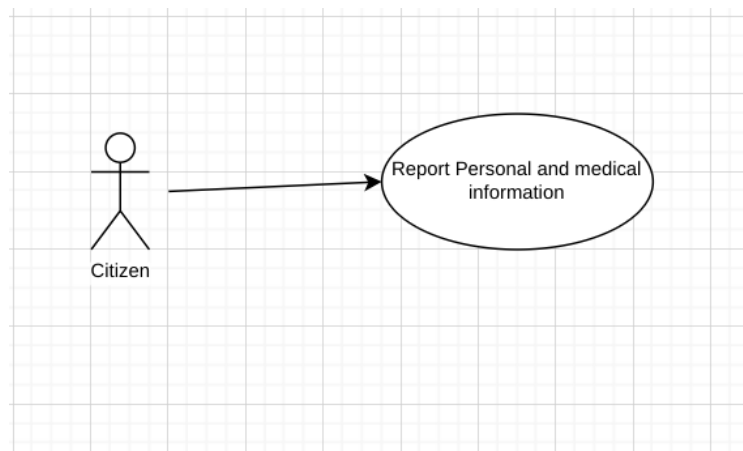
Entity classes: User
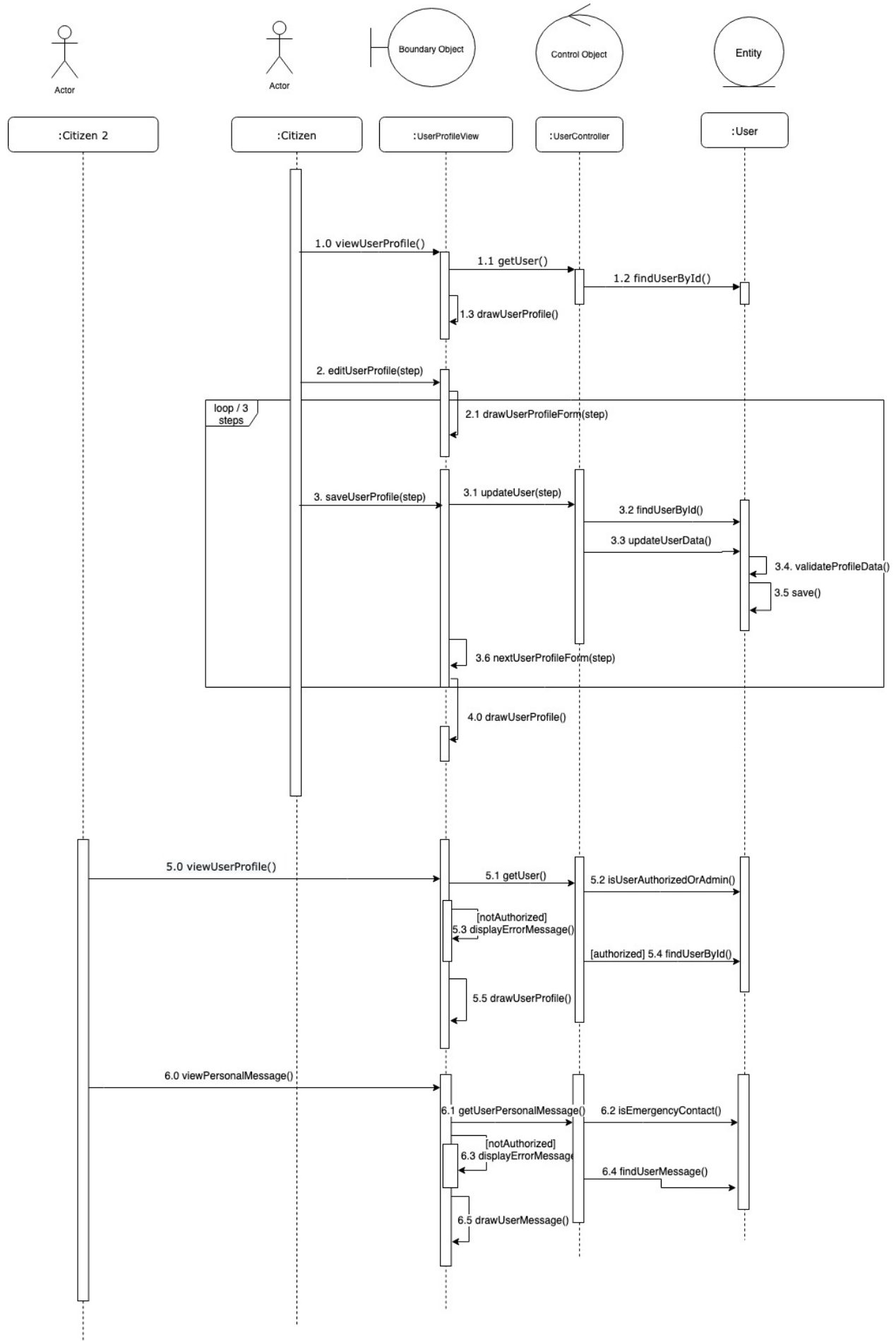
Boundary classes: UserProfileView
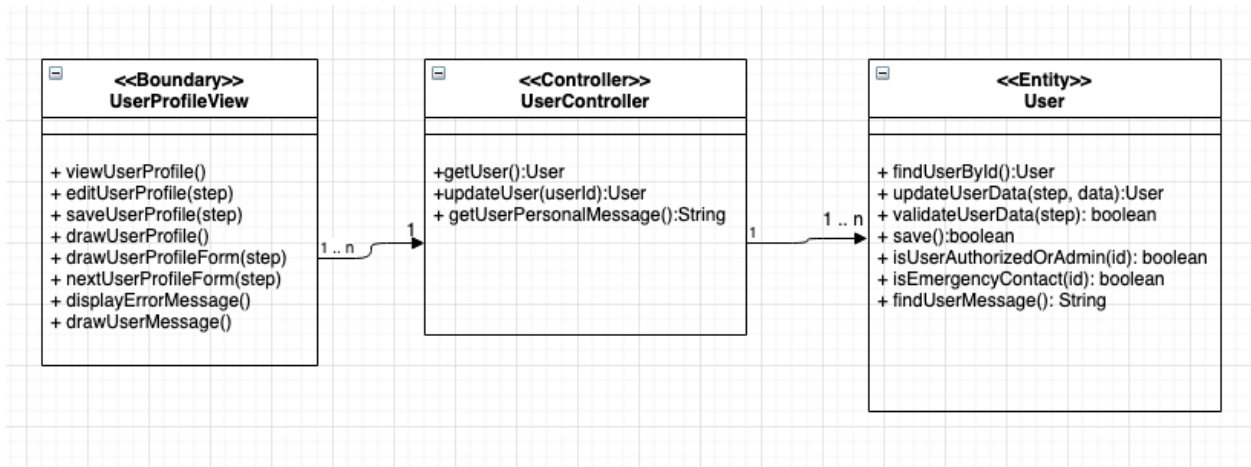
Control classes: UserController

Sequence diagram modeling the use-case behavior: ...

Please see diagram in the following link or in the image in the next page

https://drive.google.com/open?id=1shl1UZRLfAYXXJecpkLUJ2TSmQCpw0sJ

Class diagram (based on the sequence diagram) modeling the use-case structure: …

Mapping Between Analysis Classes and Code:

Analysis Classes	Implementation Elements (e.g. modules, files, components, databases)
UserProfileView	public/js/UserProfile.js
UserController	controllers/UserController.js
User	model/user.js

Quality Report (for your individual branch only, <u>not</u> master)

Unit tests you added in Iteration 4

Module/File Tested	# Tests	# Failing Tests
Resources/user.test.js	**14 new tests** **17 refactored test after changes in code**	**0**
		0

Integration tests you added in Iteration 4

Module/File Tested	# Tests	# Failing Tests
api/users.test.js	3 fixed tests after changing code and responses	

Bugs found through testing in Iteration 4

Module/File	Description	Fixed? (Y/N/Partially)

Coverage (your branch only)

Line Coverage	83.8%
Branch coverage	83.64%

All files

83.8% Statements 605/722   **83.64%** Branches 184/220   **74.09%** Functions 163/220   **83.8%** Lines 605/722

Press *n* or *j* to go to the next uncovered block, *b*, *p* or *k* for the previous block.

File ▲		Statements		Branches		Functions		Lines	
repo		81.43%	57/70	28.57%	4/14	25%	1/4	81.43%	57/70
repo/controllers		79.3%	180/227	80.36%	45/56	66.67%	44/66	79.3%	180/227
repo/middleware		82.76%	24/29	75%	3/4	85.71%	6/7	82.76%	24/29
repo/model		85.13%	269/316	90.41%	132/146	80.43%	111/138	85.13%	269/316
repo/routes		93.15%	68/73	100%	0/0	0%	0/4	93.15%	68/73
repo/utils		100%	7/7	100%	0/0	100%	1/1	100%	7/7