Internet Applications Design and Implementation

2020/21 1st Semester

3rd Assignment
IFML Diagrams and Mockups

Teacher: João Costa Seco

João Carlos Raposo dos Reis nº48157

Introduction

This is the first assignment related to the frontend of the application and we were asked to make IFML diagrams and mockups for each of the 16 user stories. I decided to do a darker design for the client application.

I also did change some things that were incomplete in the backend, DataItems from each GrantCall were with errors, but now is fully working.Also i noticed that i misinterpreted the CV attribute of a student as i thought it was a pdf file to be store in system, but in reality it is something like DataItem modeling, but related with each student. Another thing i did in this assignment was add the JWT filters to the security part, as it wasn't part of the last assignment.

I may end up changing more things in the backend in the last phase, probably I will need to tweak or even add some new endpoints in order to correctly implement the mockups I designed based on the IFML diagrams.

Student User Stories:

1. As a student, I want to access the home page and see the list of available grant calls, so that I can select one open grant call.

2. As a student, I want to see all open grant calls, so that I can create a new grant application, and I see the fields required to fill their new application.

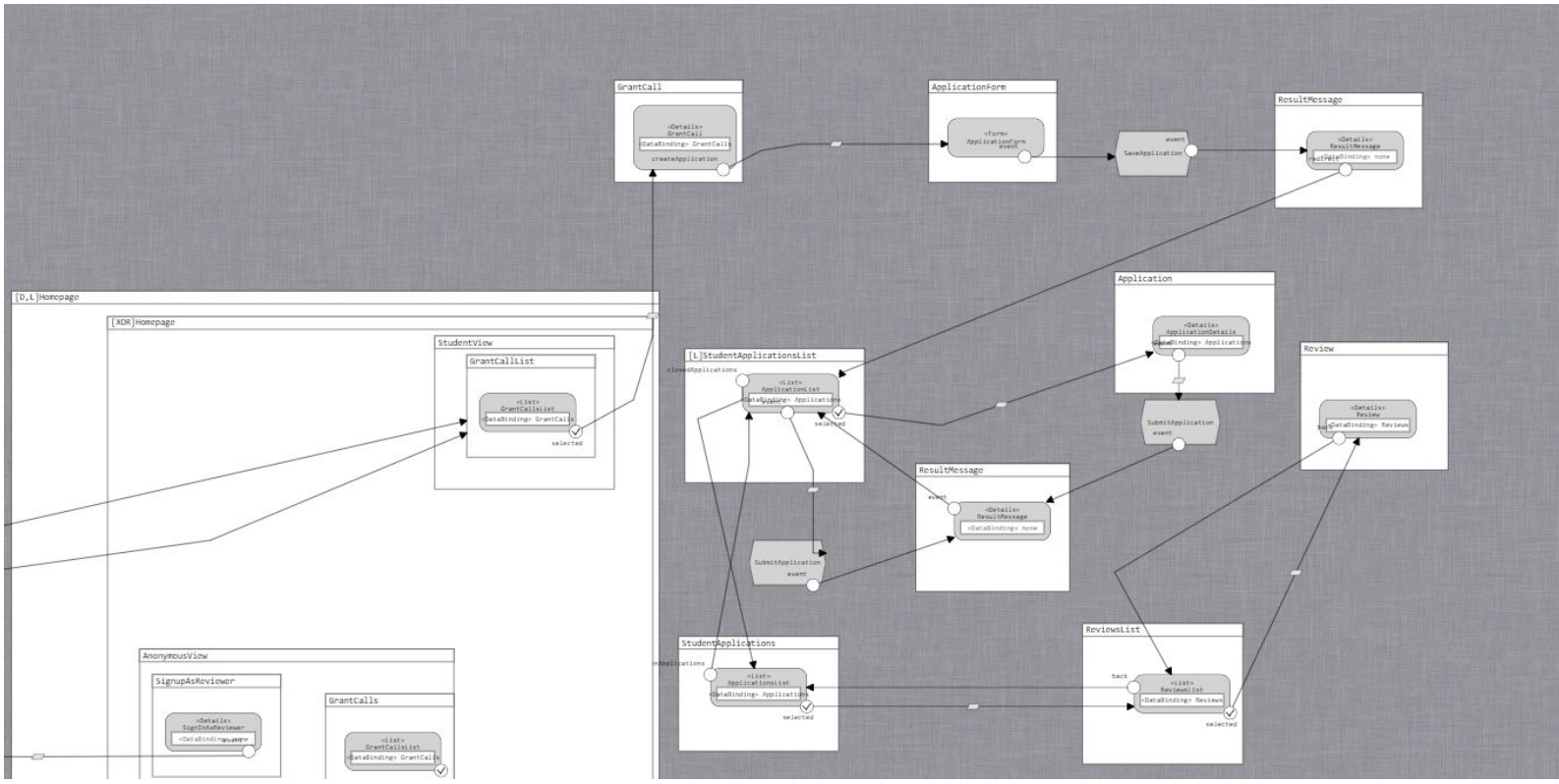
3. As a student, I want to access the list of my grant applications, and see the newly created application in the list of grant applications.

4. As a student, I want to fill all information required to submit to a grant call, so that it can be considered for funding, and I see my application in the list of submitted applications.

5. As a student, I want to list my current submissions, so that I can submit them before the deadline.

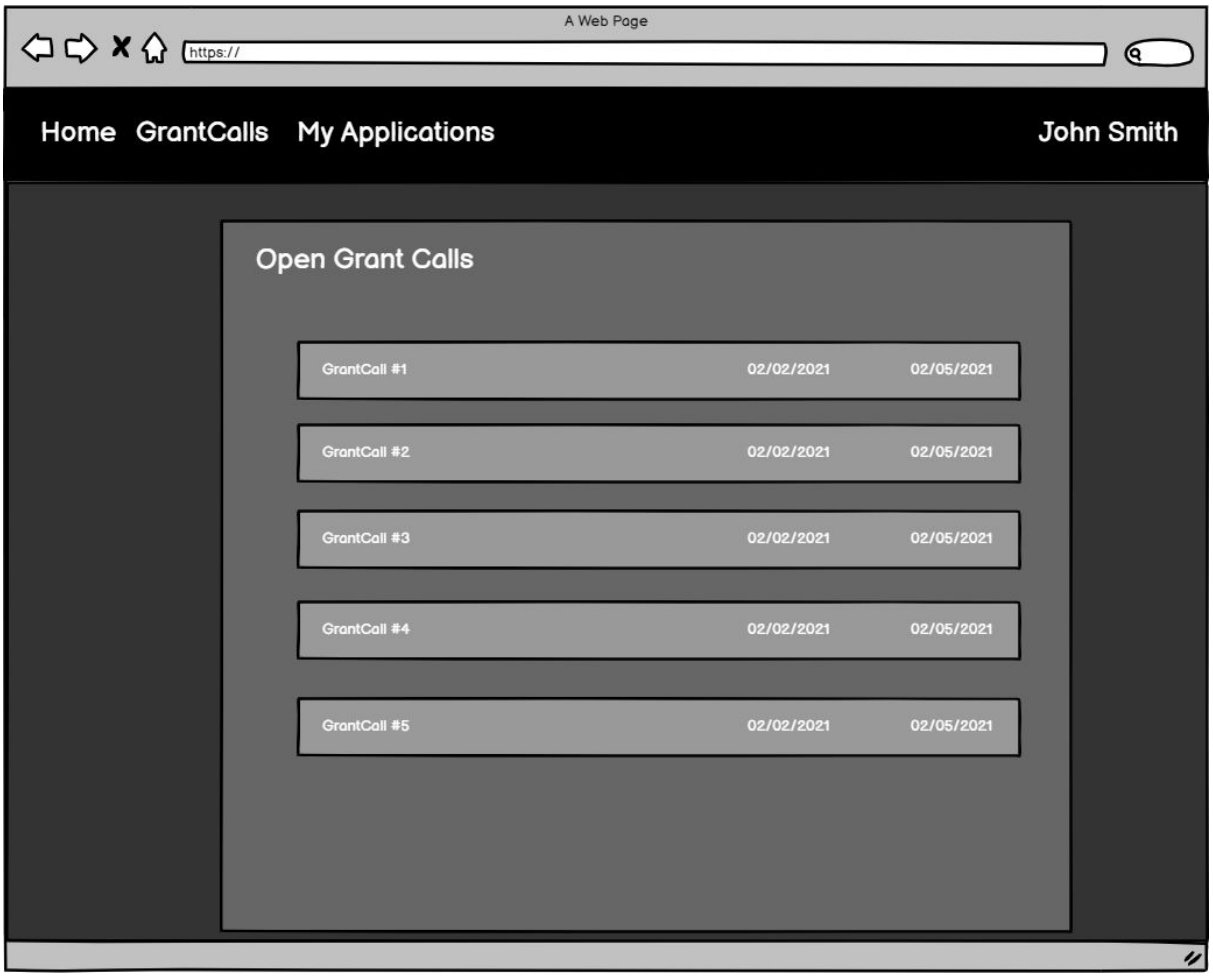
6. As a student, I want to list my evaluated submissions, so that I can read the reviews and classification.

IFML Diagram

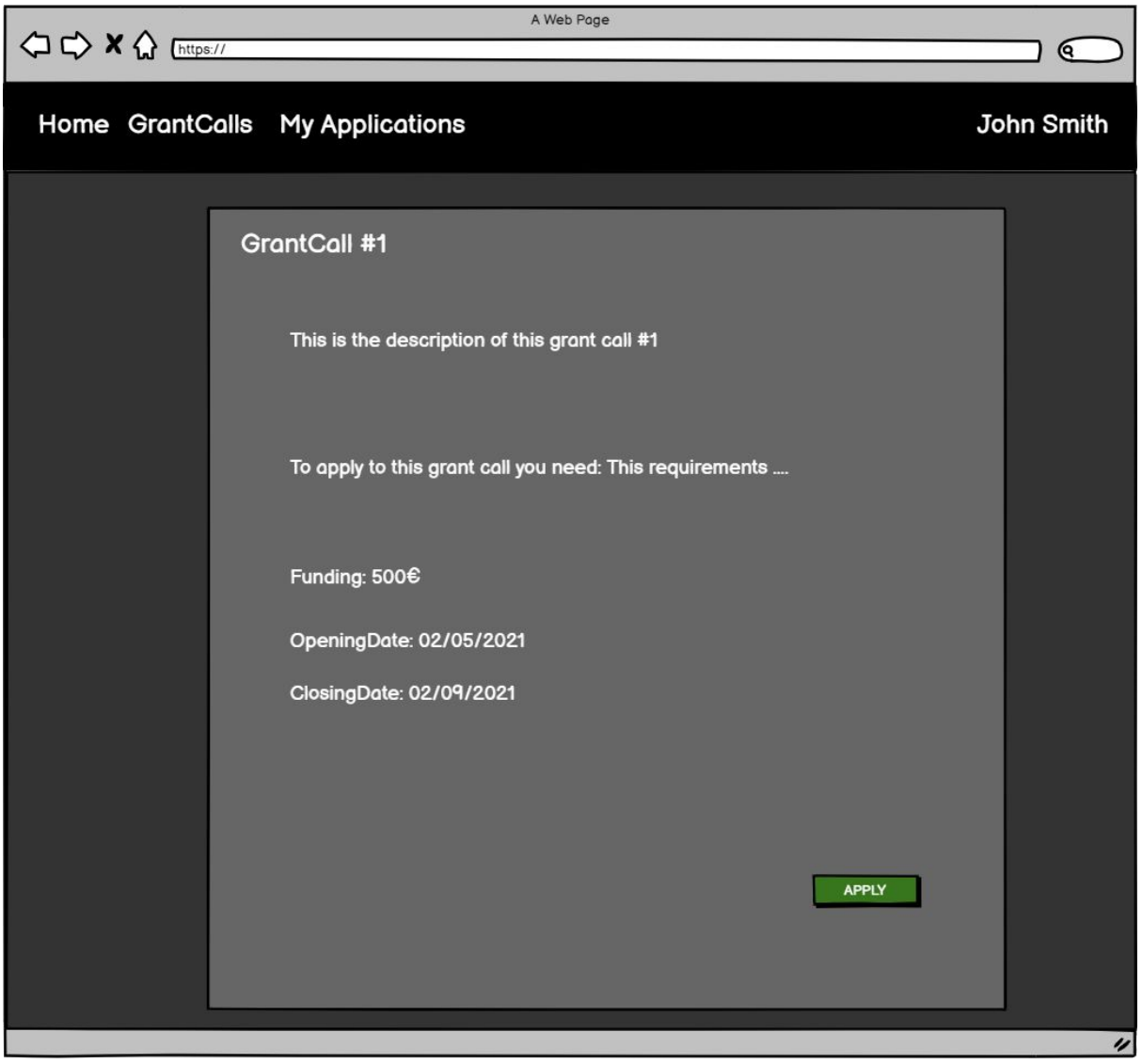


The figure above shows the IFML diagram that models student user stories. In the following section I will show the respective mockups that represent each view container in this diagram.

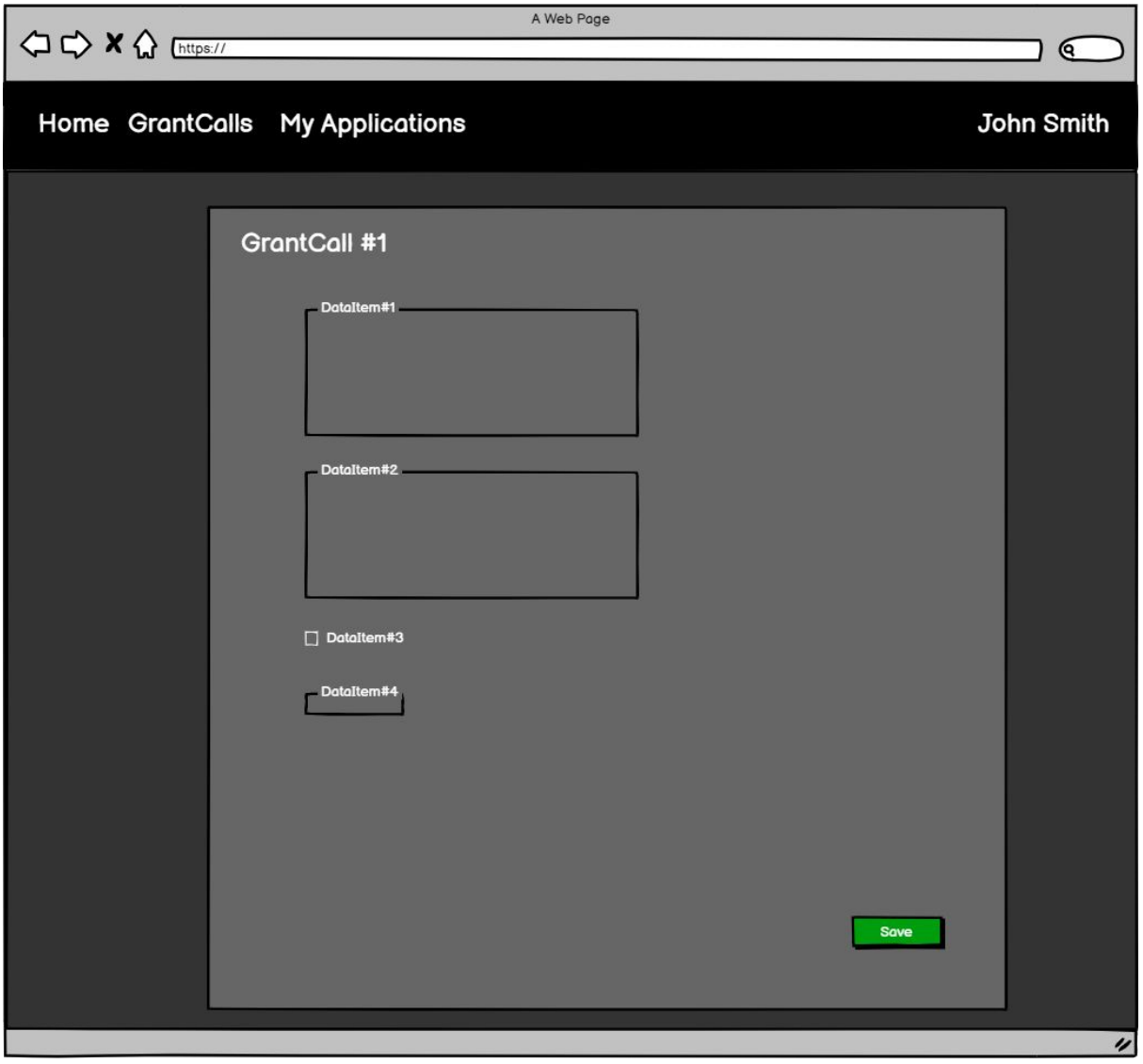
Mockups



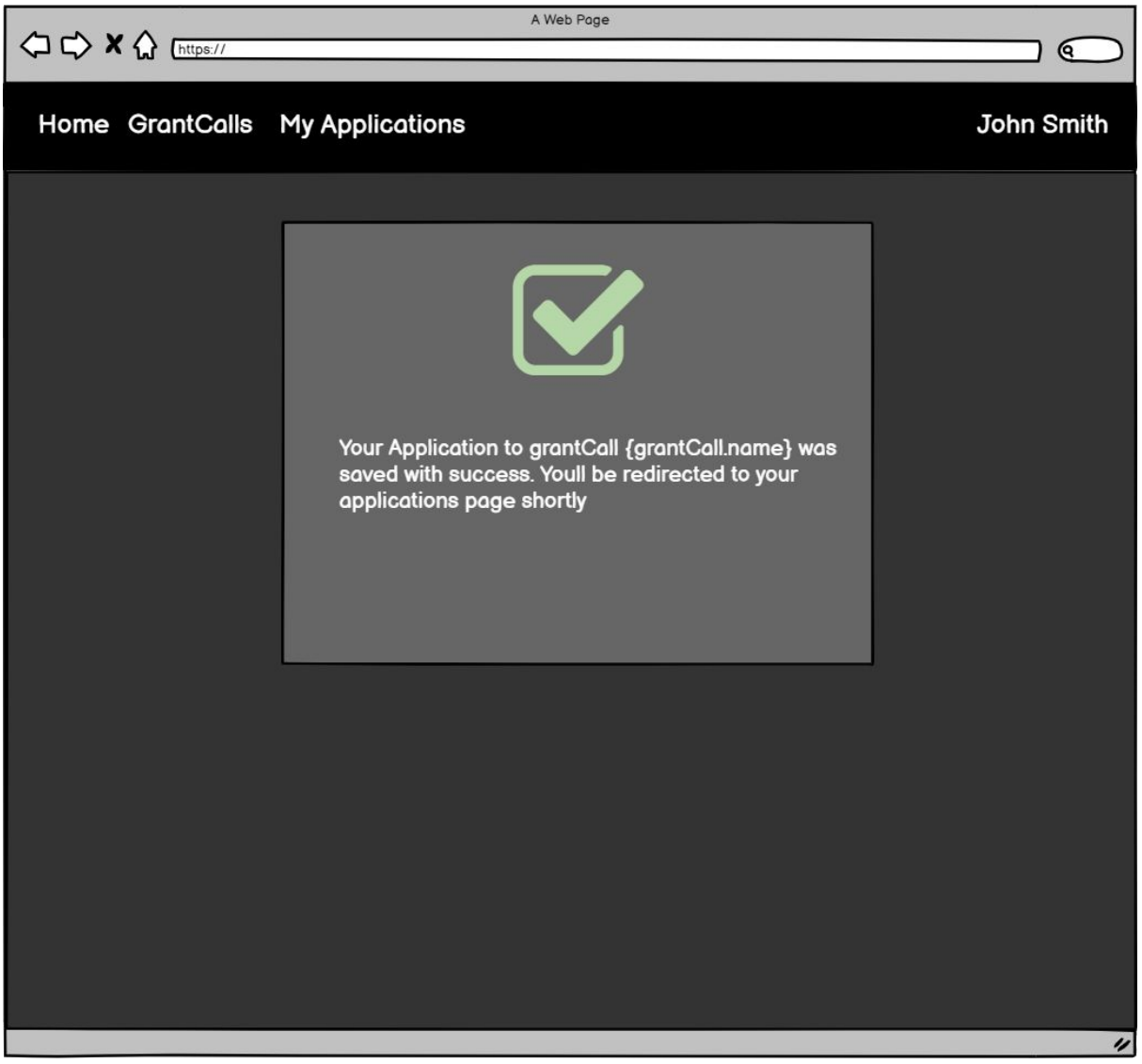
This mockup represents the **GrantCallList container**, which appears in the home page if the user is a student. If a user clicks on a GrantCall it will redirect to the **next view container**.

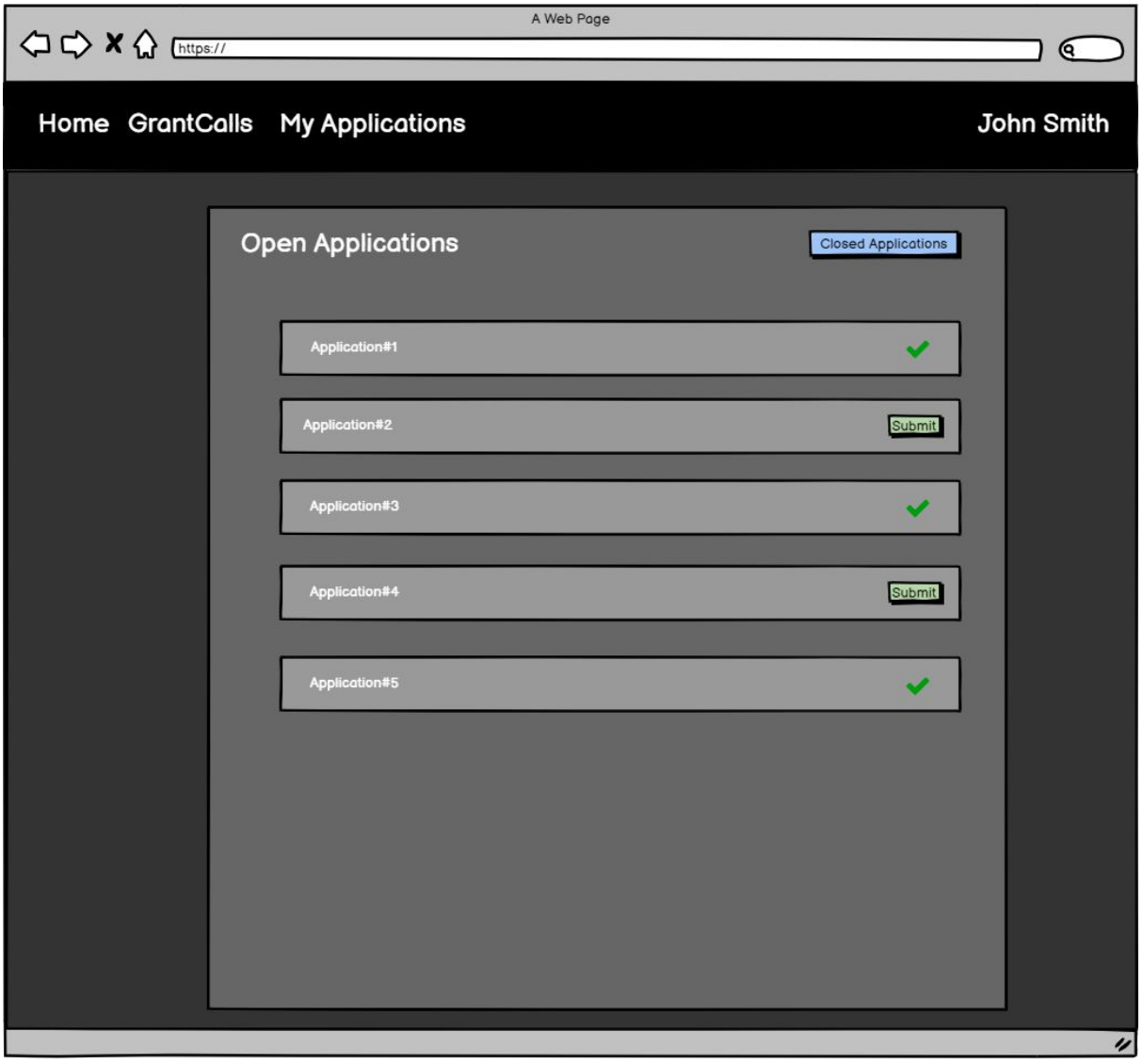


In this mockup it is displayed all info related to the grant call and the user has a button that can click in order to apply to it. When the user clicks, he will be redirected to the **ApplicationForm** view container.

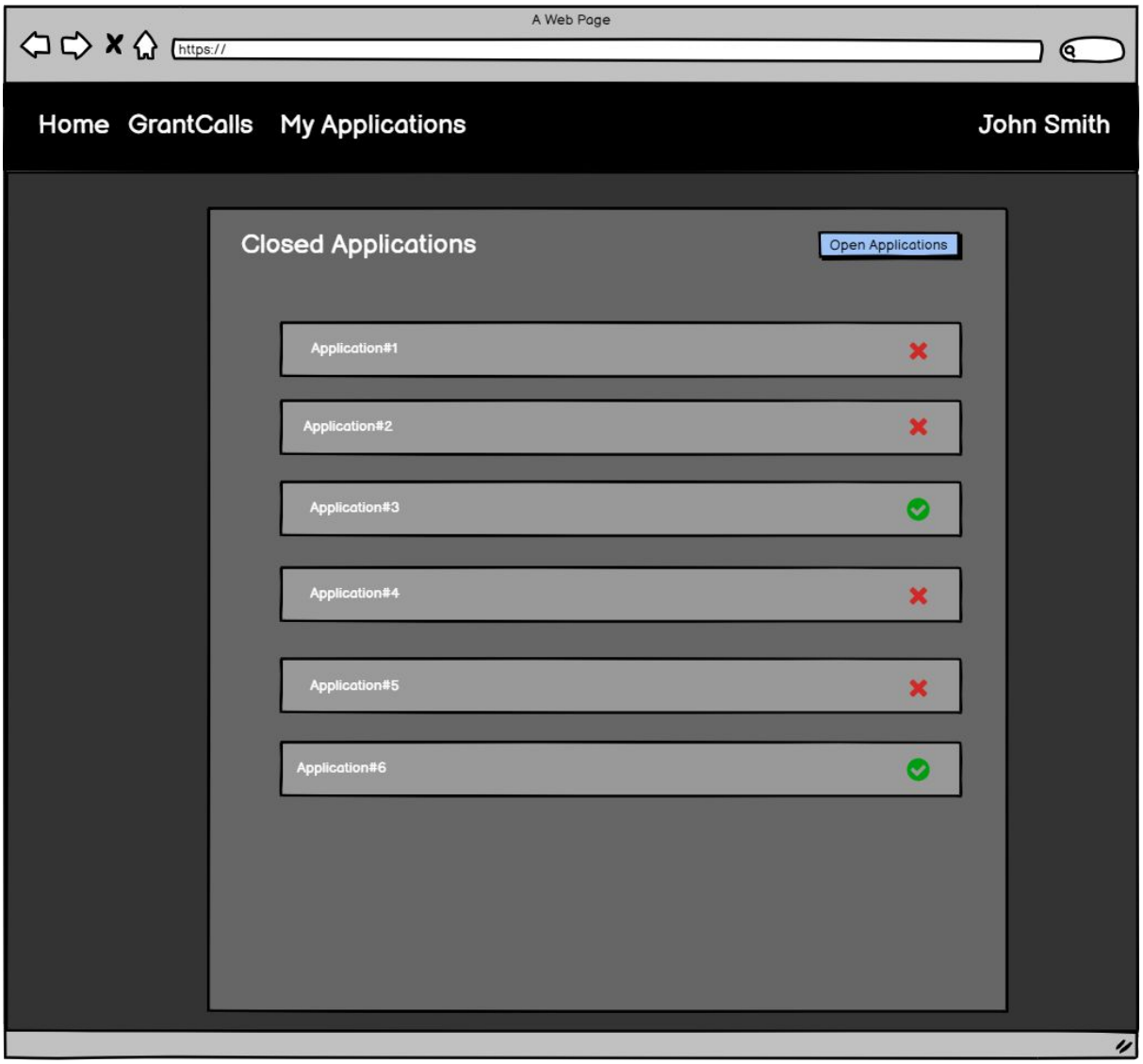


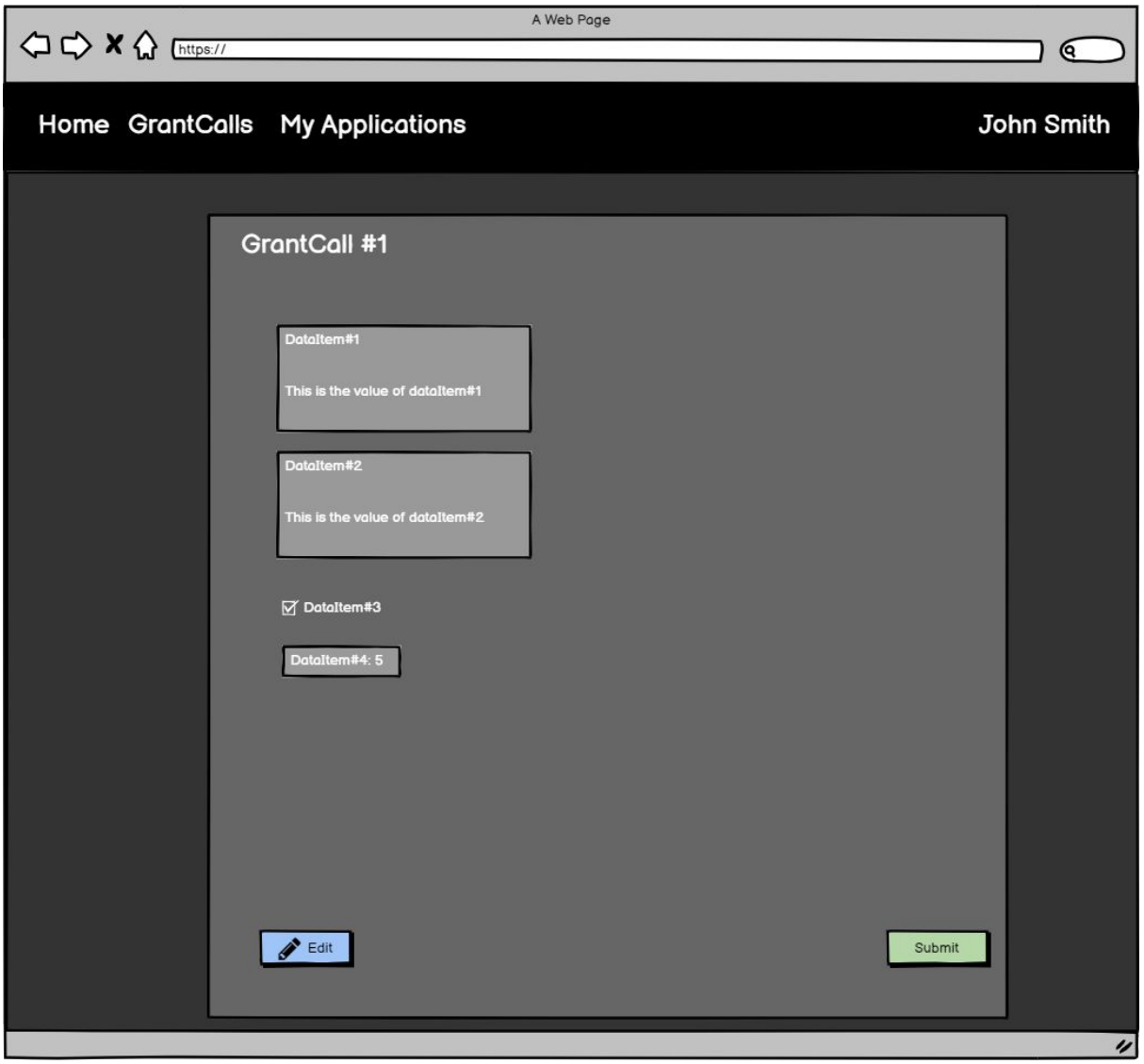
Here a student can write a call and save it in his applications and later on he has the ability to submit it to the system. When he saves it will appear a new view container, **ResultMessage,** which informs the user that the application was saved and he will be redirected shortly to his **StudentApplicationsList container,** which comprises all of his past applications.


A Web Page
https://
Home
GrantCalls
My Applications
John Smith
Your Application to grantCall {grantCall.name} was saved with success. Youll be redirected to your applications page shortly

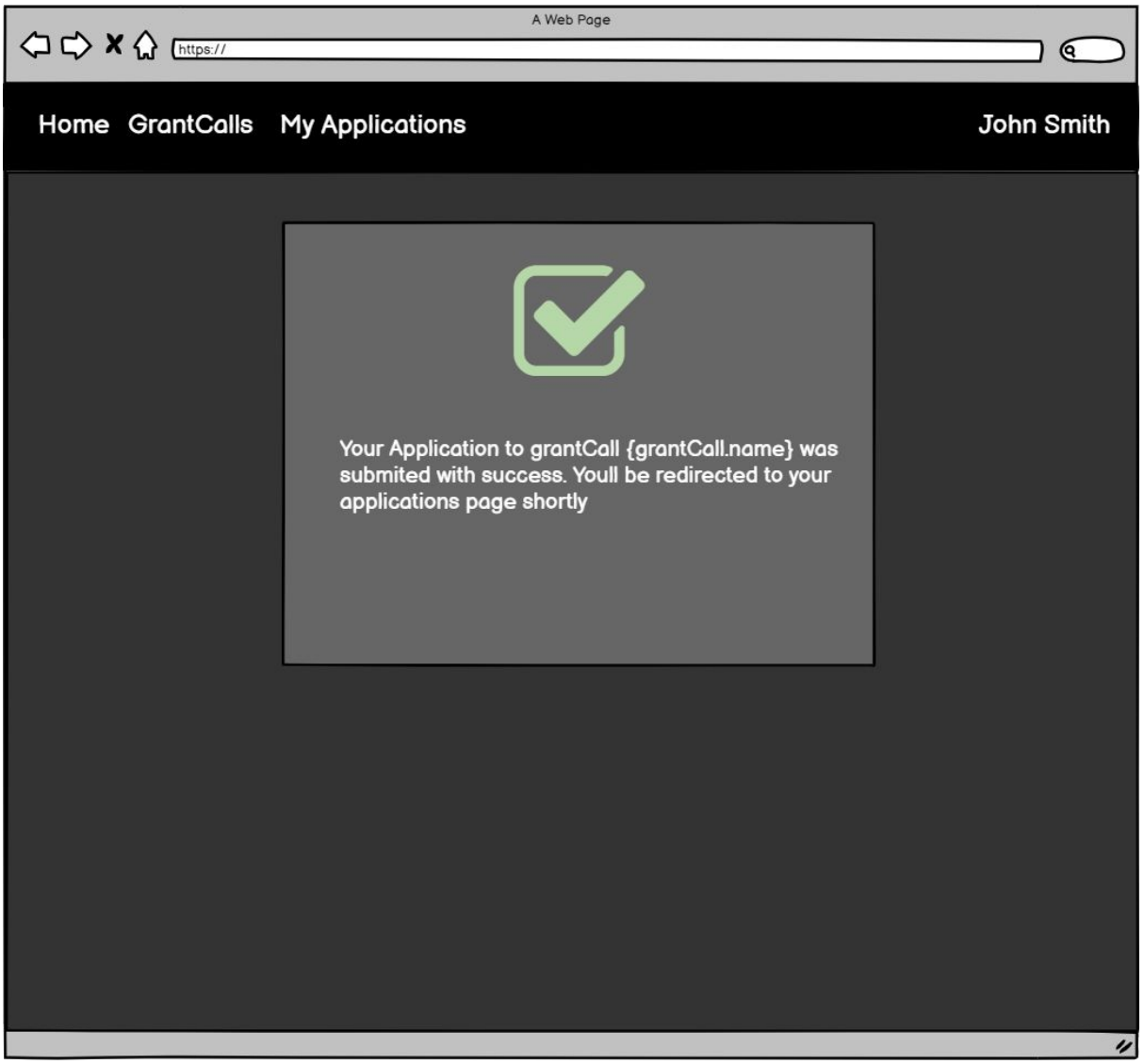


This view is also achieved when the student clicks on the navbar item **“My Applications”.** Here he can review and modify his applications that are not submitted by clicking on the application he wants to edit and can also submit them, or review the submitted ones. He can also check the status of his closed applications, if it was accepted or not.

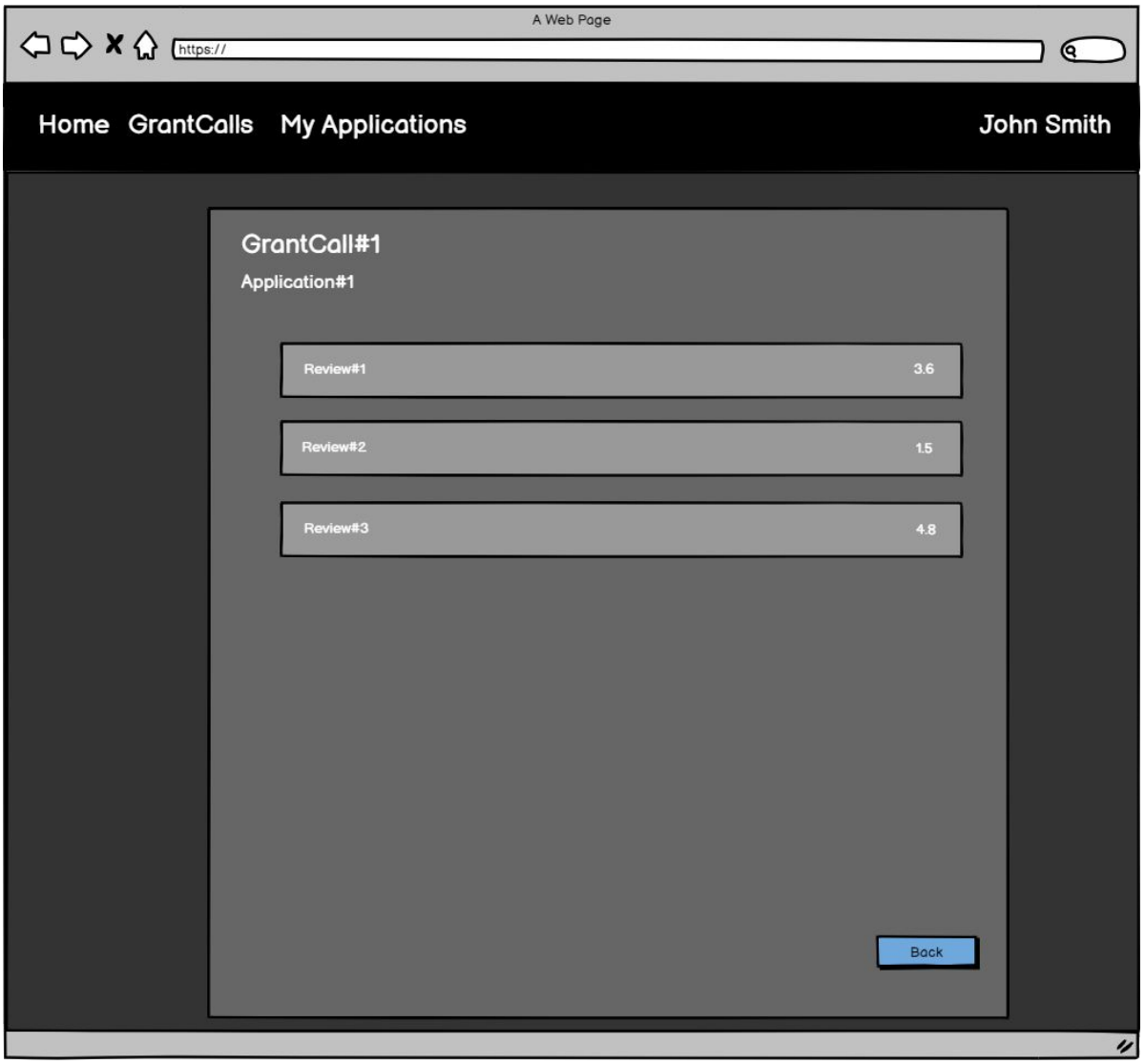

A Web Page
https://
Home
GrantCalls
My Applications
John Smith
Closed Applications
Open Applications
Application#1
Application#2
Application#3
Application#4
Application#5
Application#6

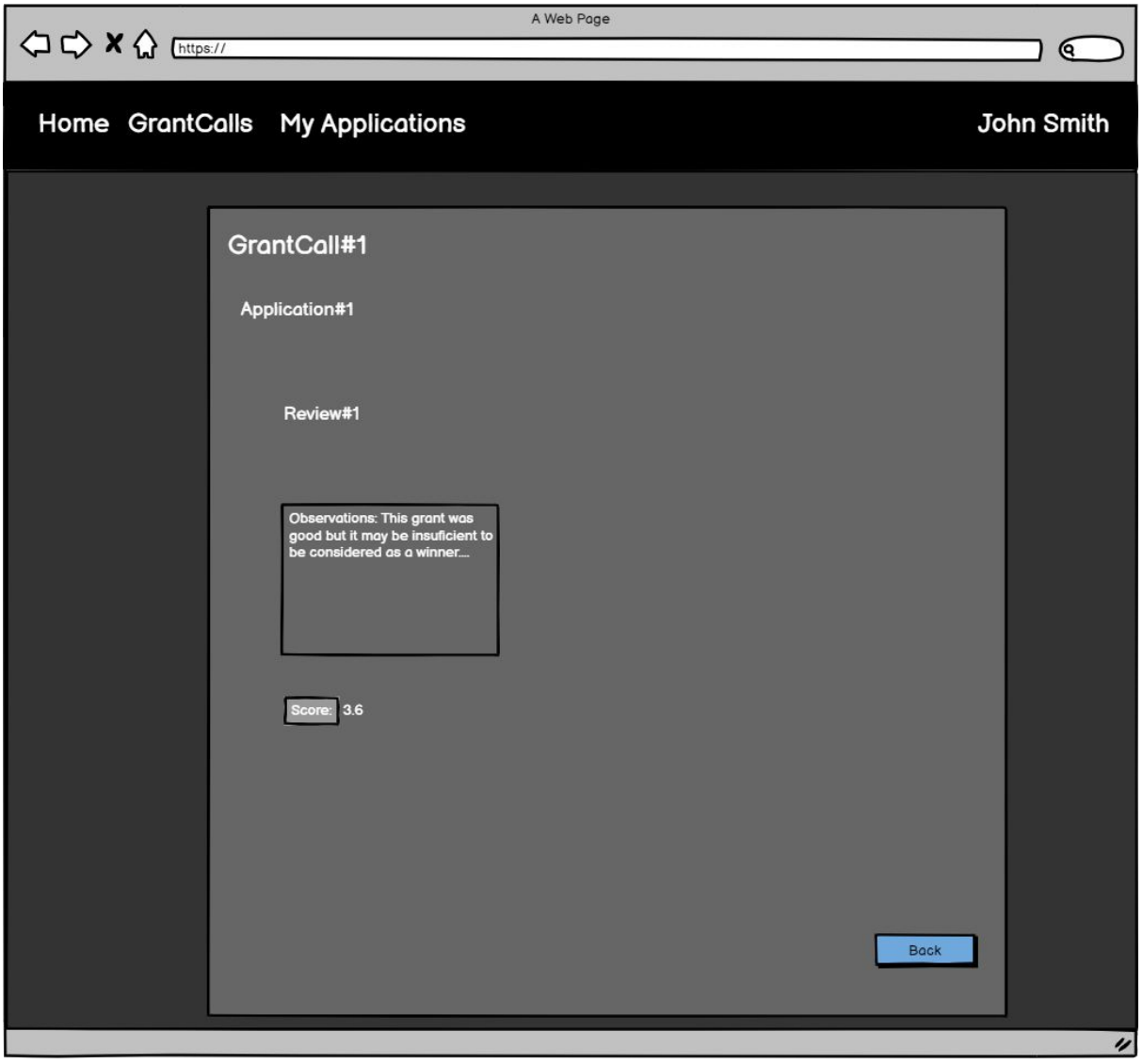


In this view, the user can edit the grant call or submit it. When the user submits the application, a new view container will appear, which informs him that this action was performed successfully and redirects the user back to his applications view.



Finally the user can check his closed applications mean score and reviews. I just made it anonymous, so the user can't know who did a review.


A Web Page
https://
Home
GrantCalls
My Applications
John Smith
GrantCall#1
Application#1
Review#1
3.6
Review#2
1.5
Review#3
4.8
Back


A Web Page
https://
Home
GrantCalls
My Applications
John Smith
GrantCall#1
Application#1
Review#1
Observations: This grant was good but it may be insuficient to be considered as a winner....
Score:
3.6
Back

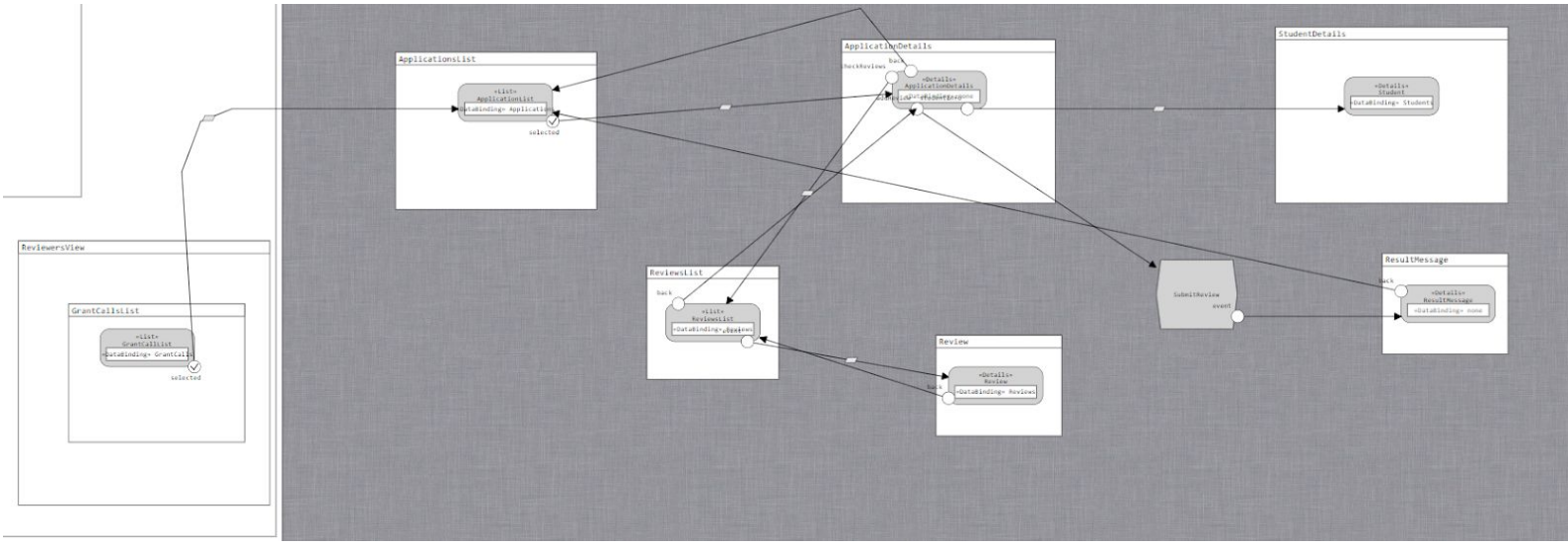
Reviewer User Stories:

7. As a reviewer, I want to list all the grant applications assigned to the panels I belong to so that I read the submission's details and the details of the corresponding students.

8. As a reviewer, I want to list all the grant applications assigned to the panels I belong to so that I can read all the available reviews.

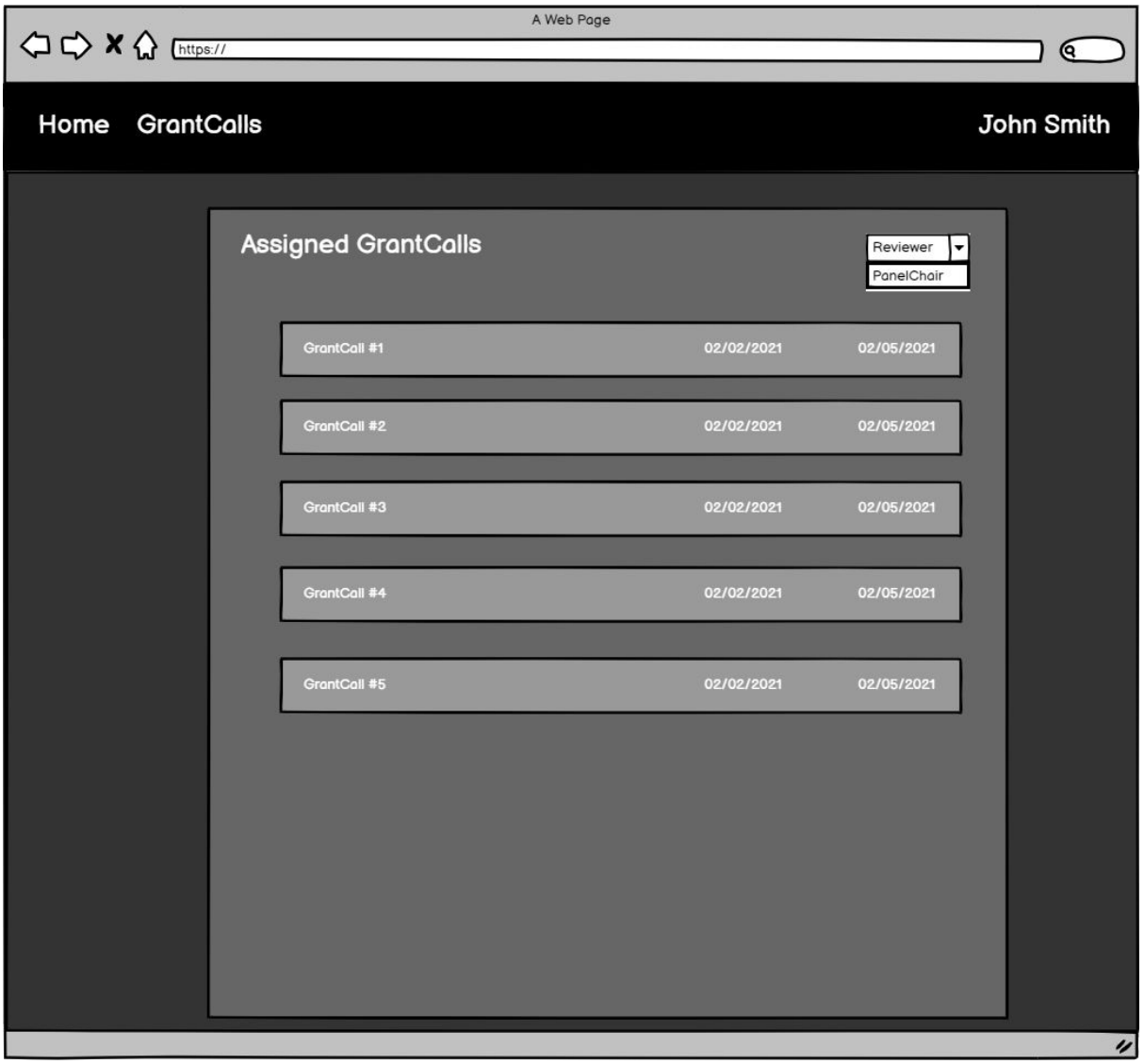
9. As a reviewer, I want to list all the applications assigned to the panels I belong to so that I can classify an application and write a review.

IFML Diagram

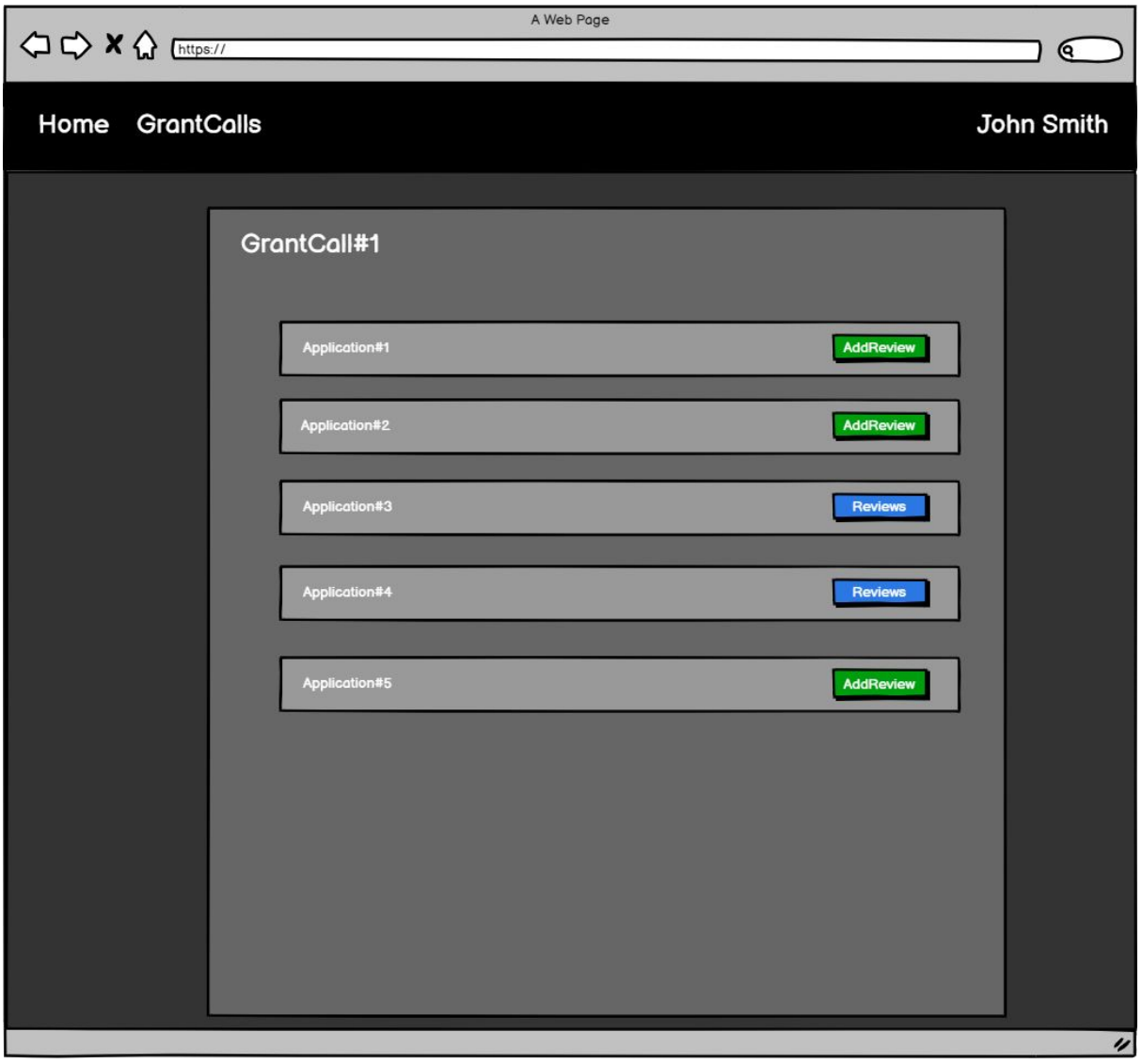


The figure above shows the IFML diagram that models reviewer user stories. In the following section I will show the respective mockups that represent each view container in this diagram.

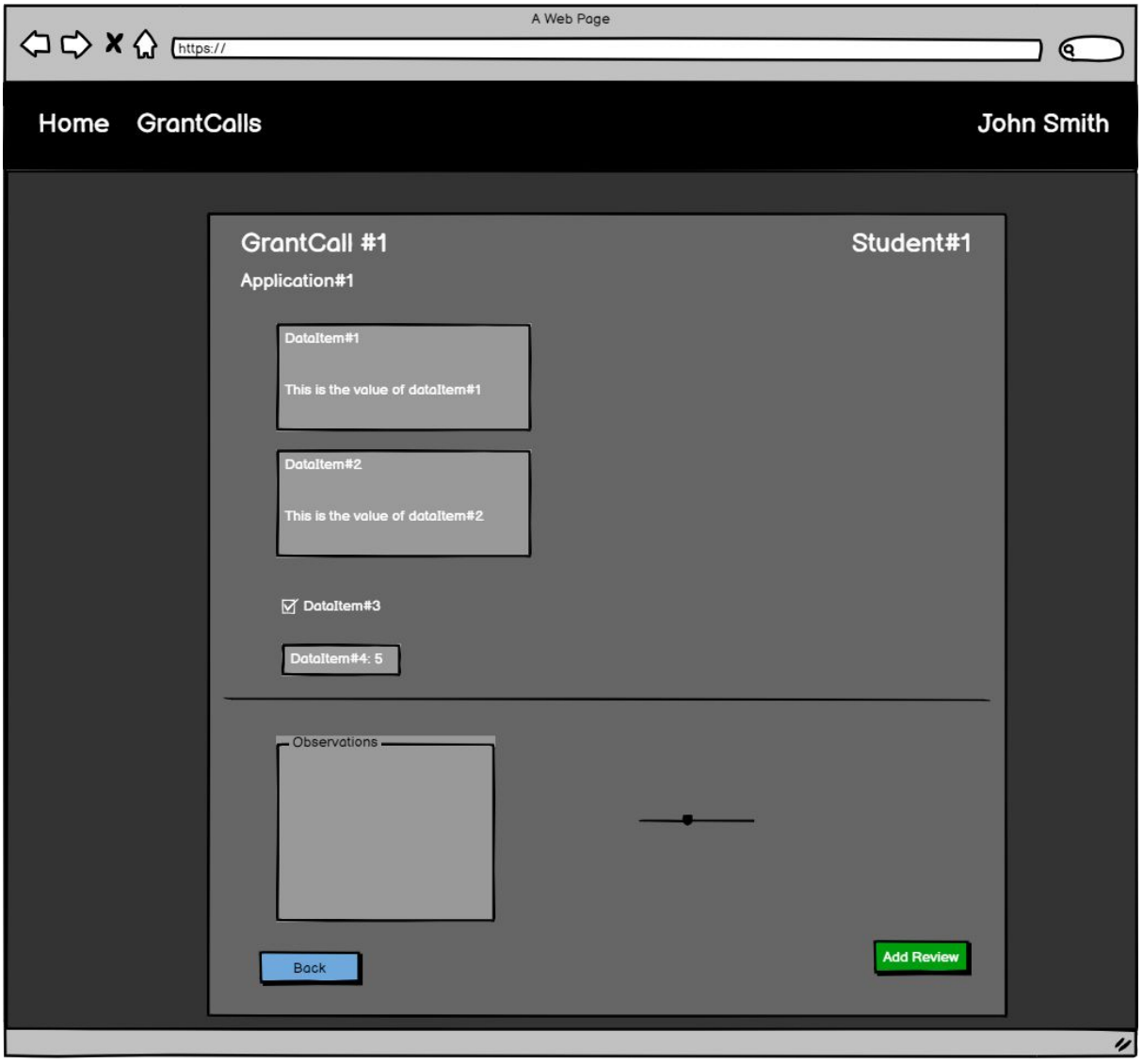
Mockups



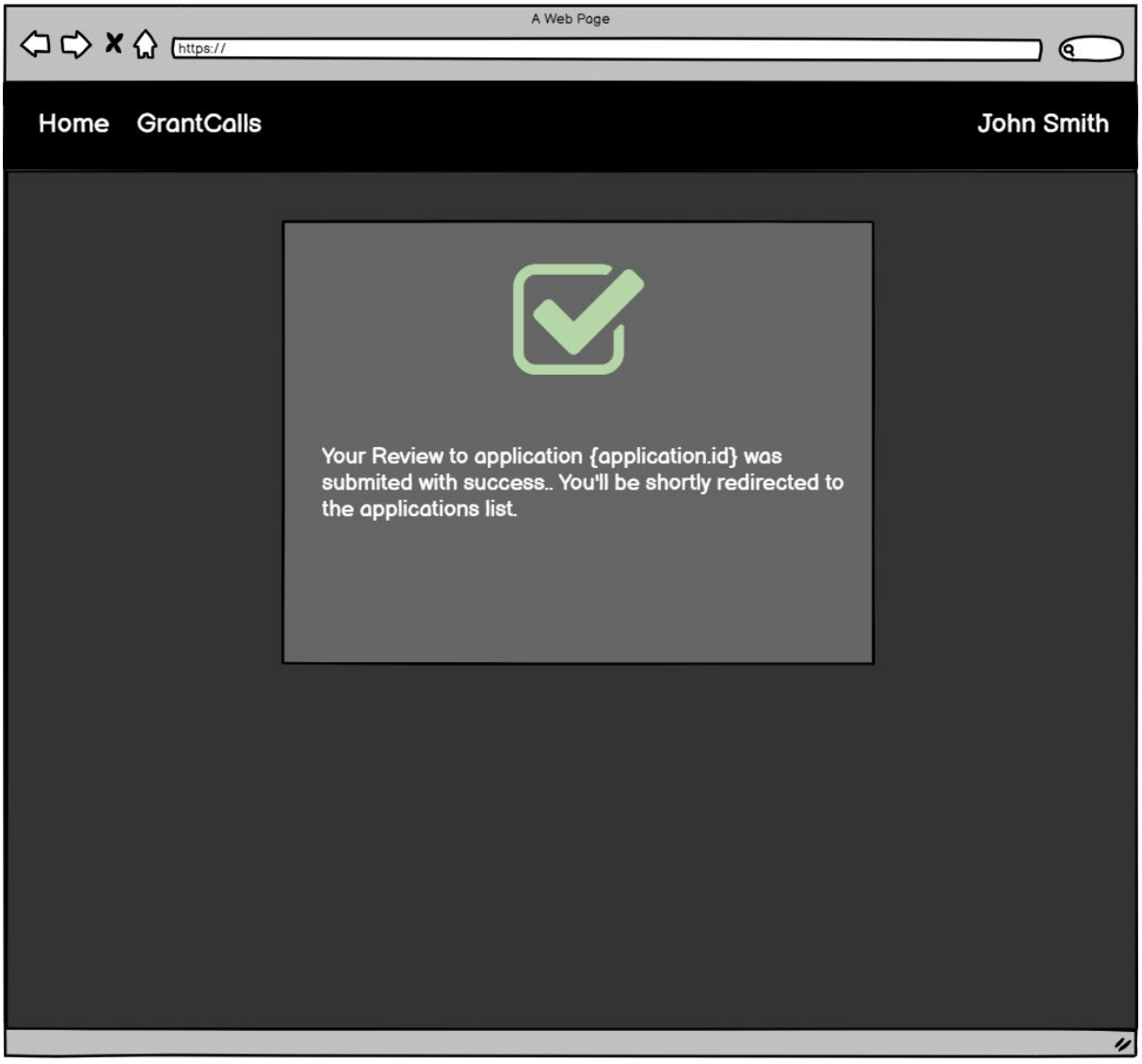
When the user is logged as a reviewer, this is the view which is displayed in the homepage, correspondingly to **GrantCallsList view container**. Here the reviewer can click which call he wants to view and it will lead to a new view, **ApplicationsList** view, which comprises all applications of a grantcall.

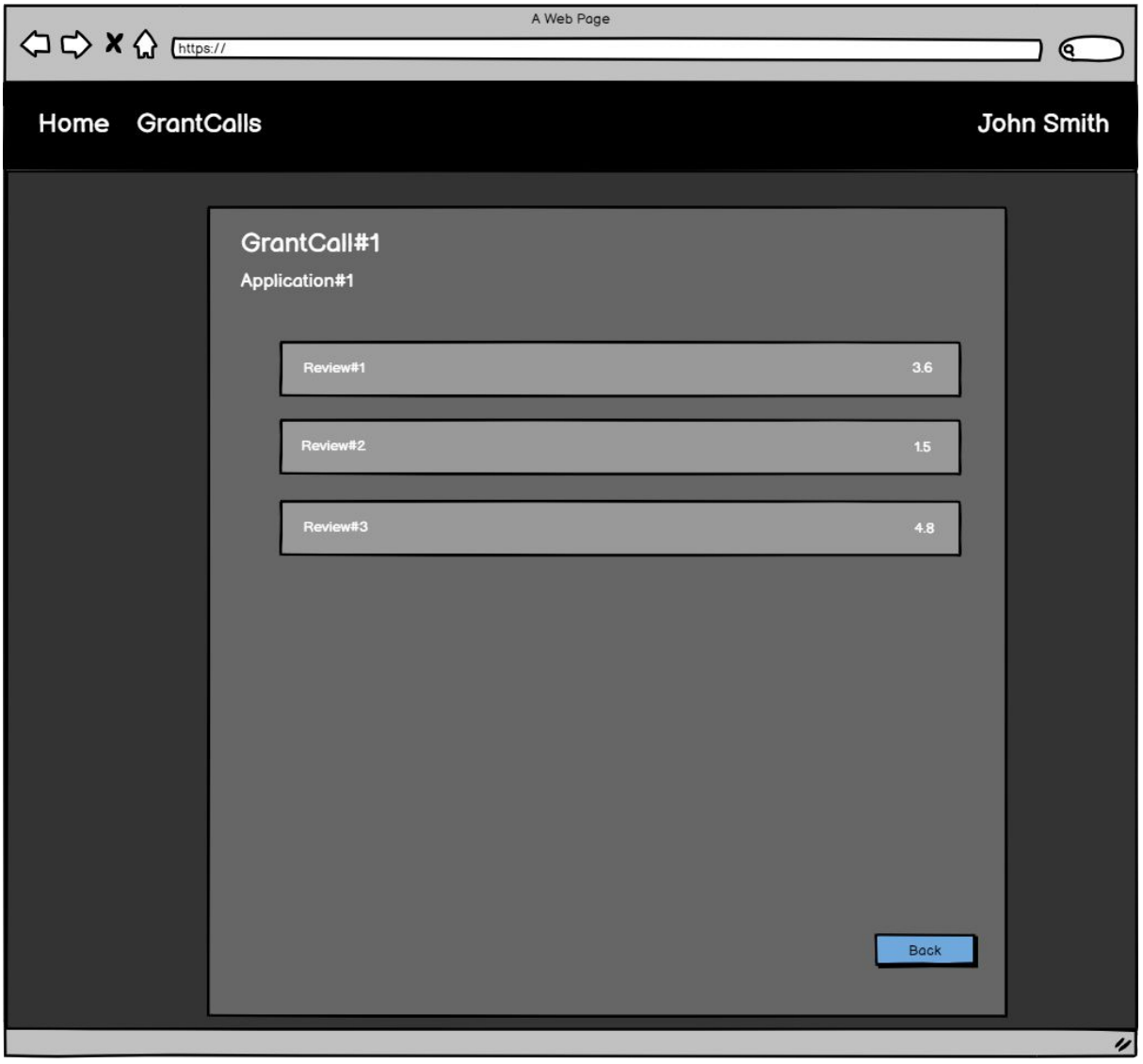


Here the reviewer can either add a new reviewer or see the list of reviews of an application if he already did his. In the IFML diagram**, I decided to only let a reviewer read** them **if he already did review** that call in order to not influentiate his review.

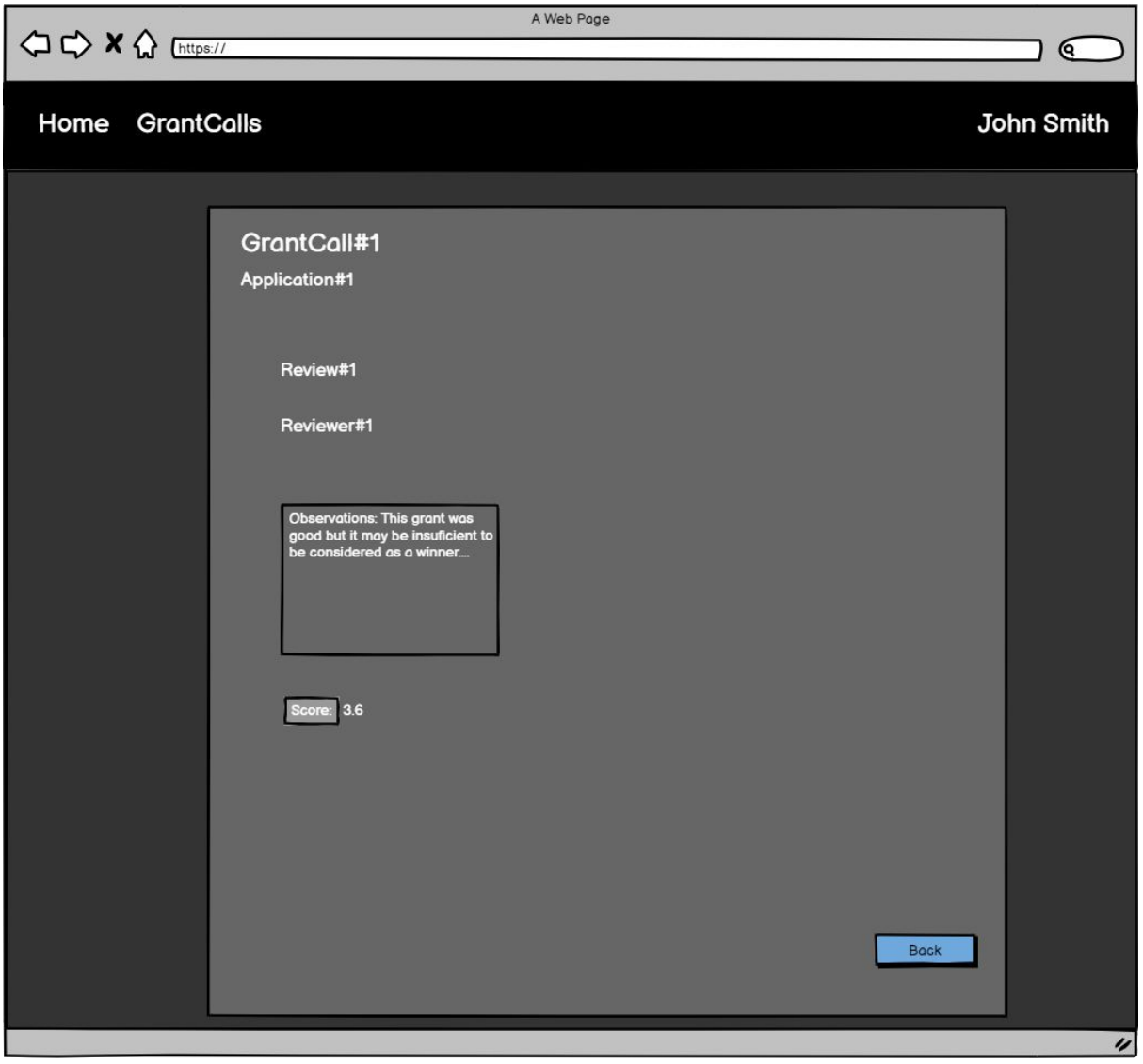


Whenever he clicks in the button “Add Review” and the operation is successful it will prompt a success message and redirect the user back to the applications list.


A Web Page
https://
Home
GrantCalls
John Smith
Your Review to application {application.id} was submited with success.. You'll be shortly redirected to the applications list.



The reviewer **can also see the details** of each review.

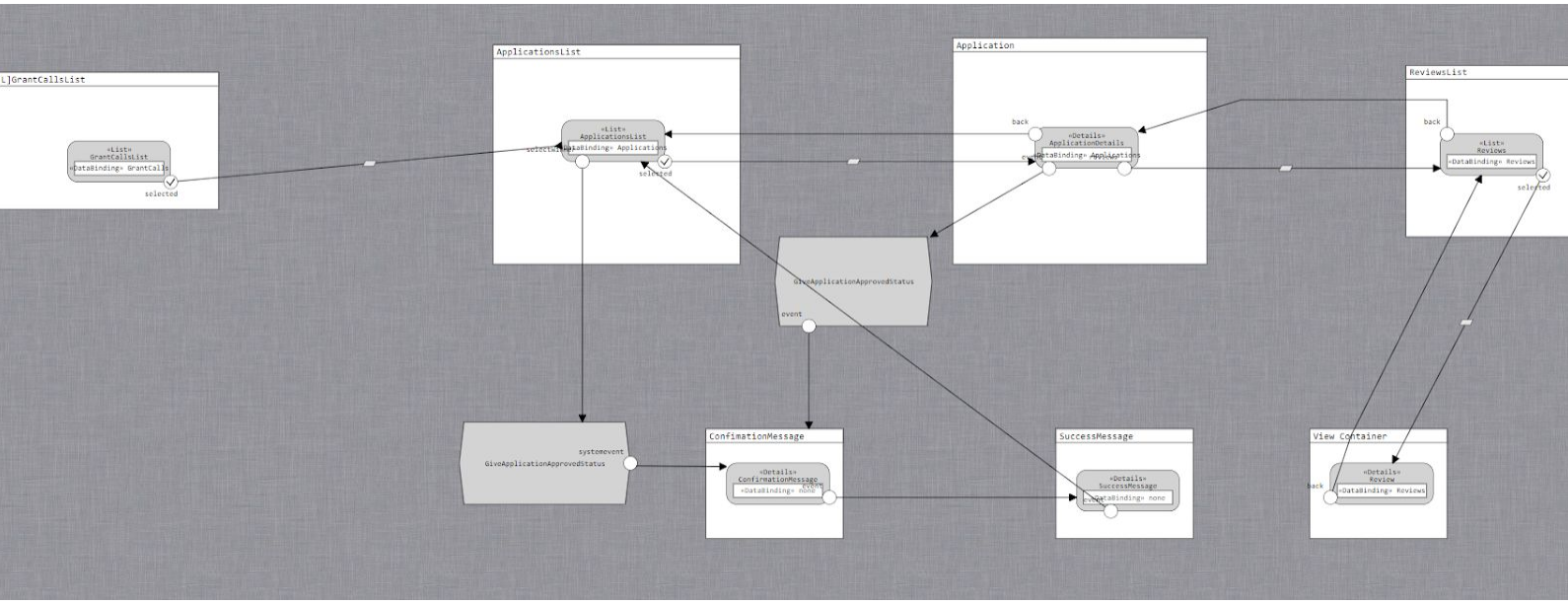

A Web Page
https://
Home
GrantCalls
John Smith
GrantCall#1
Application#1
Review#1
Reviewer#1
Observations: This grant was good but it may be insuficient to be considered as a winner....
Score:
3.6
Back

Reviewer(Chair of a panel) User Stories:

10. As the chair of a panel, I want to see the list of all grant applications assigned to panels I lead to so that I can read the details, classifications and reviews of one application.

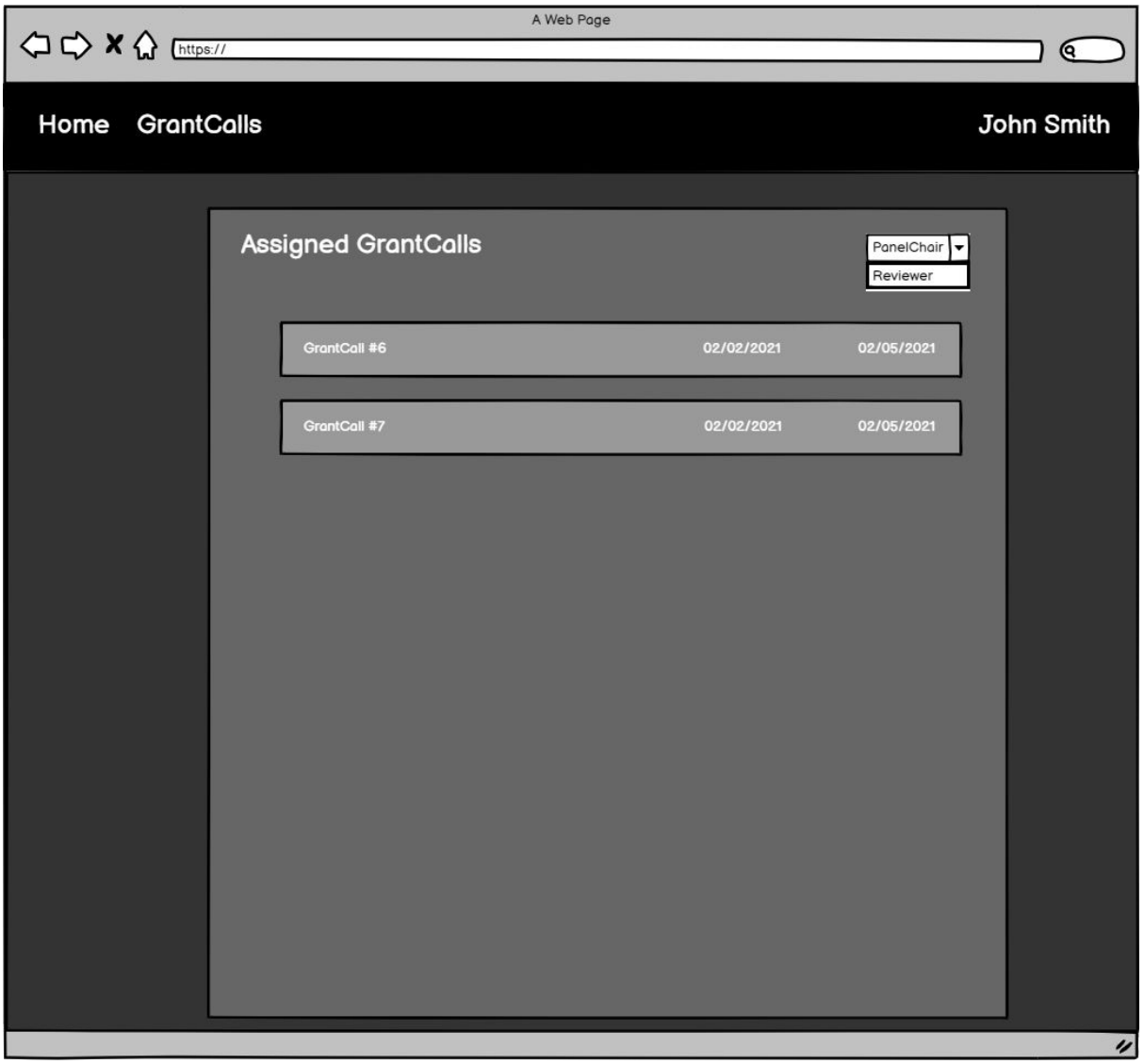
11. As the chair of a panel, I want to see the list of all applications assigned to panels I lead to so that I can write the final evaluation and assign the final classification.

IFML Diagram

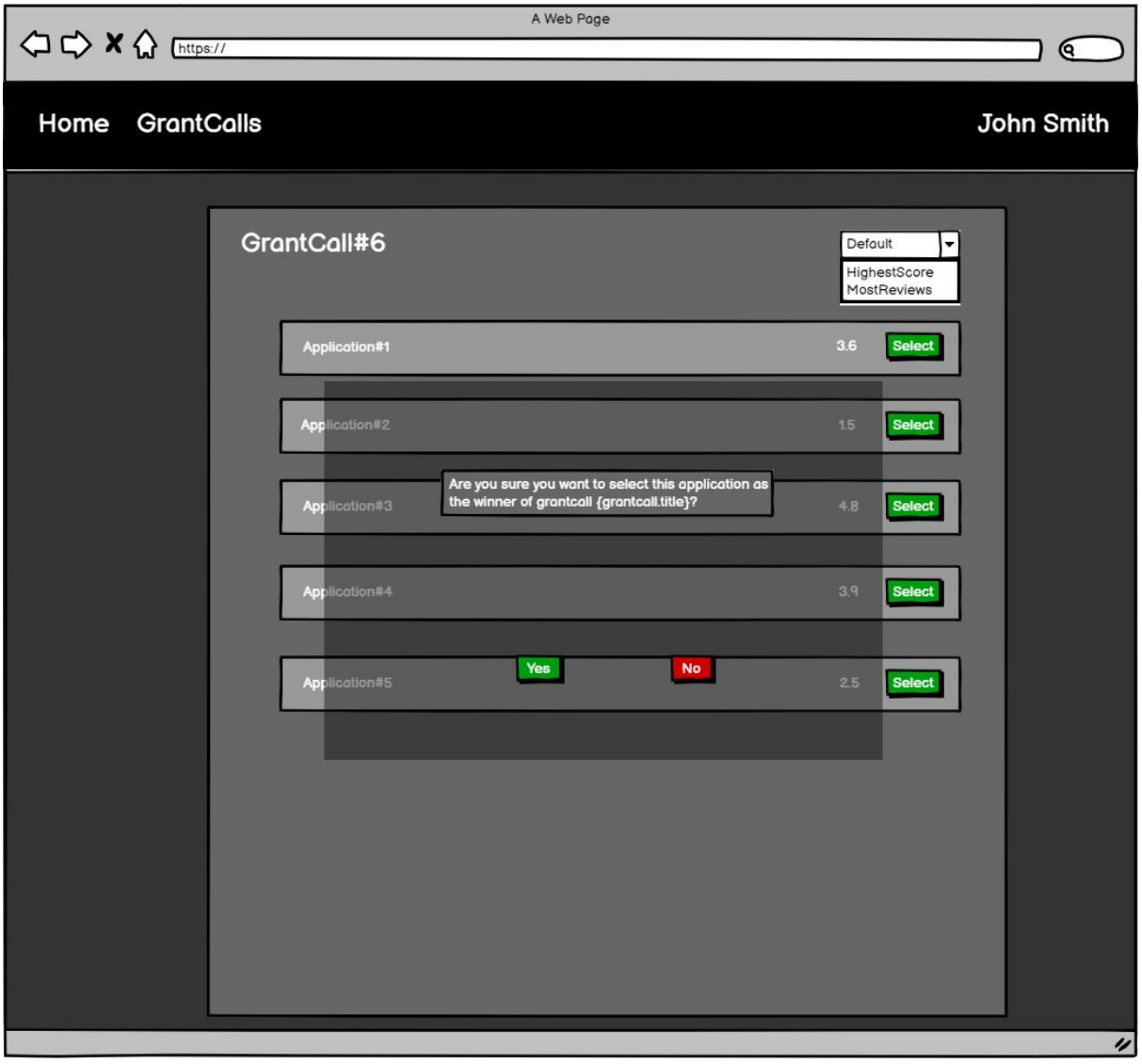


The figure above shows the IFML diagram that models reviewer user stories as a panel chair of a grant call. In the following section I will show the respective mockups that represent each view container in this diagram.

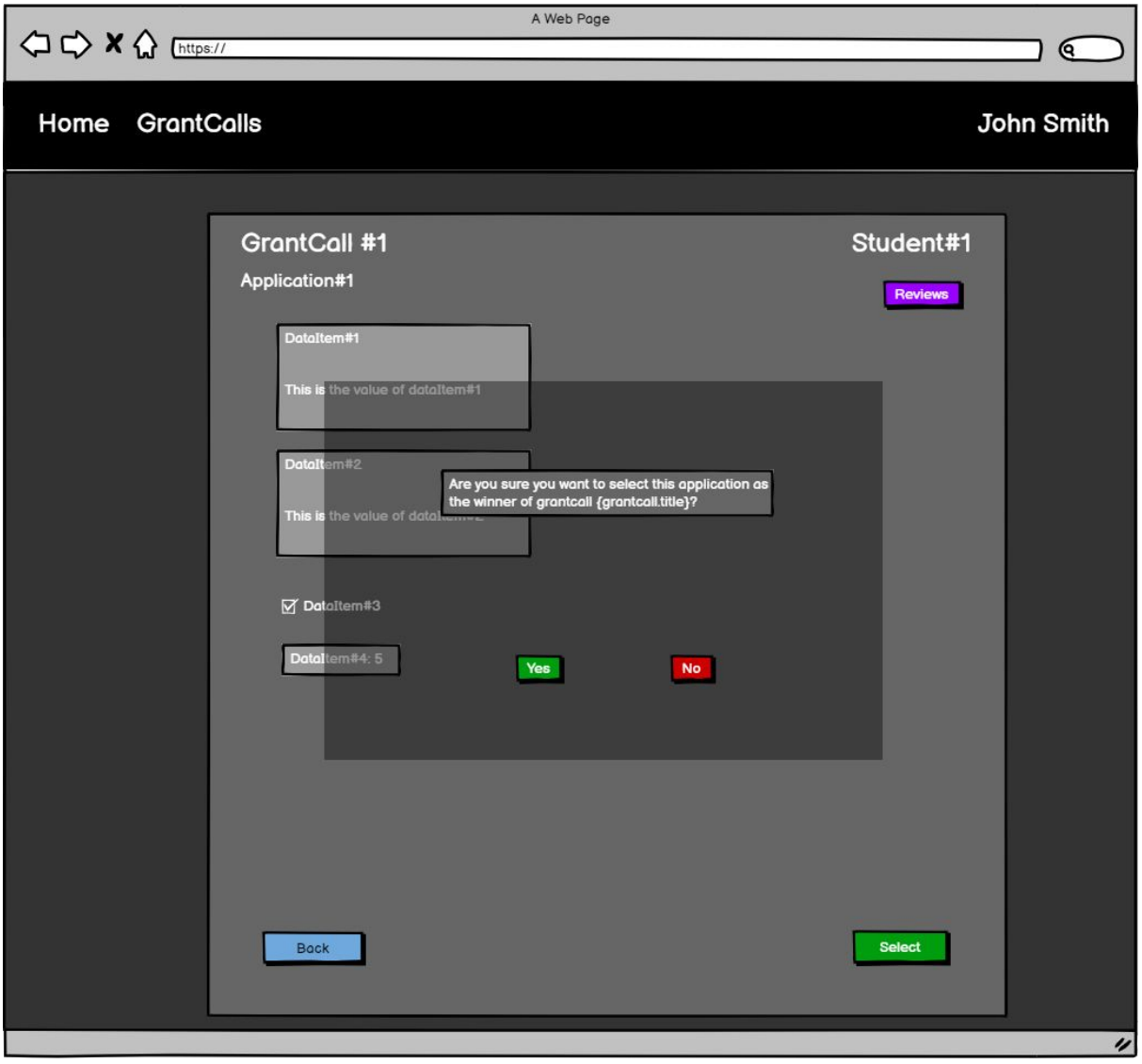
Mockups



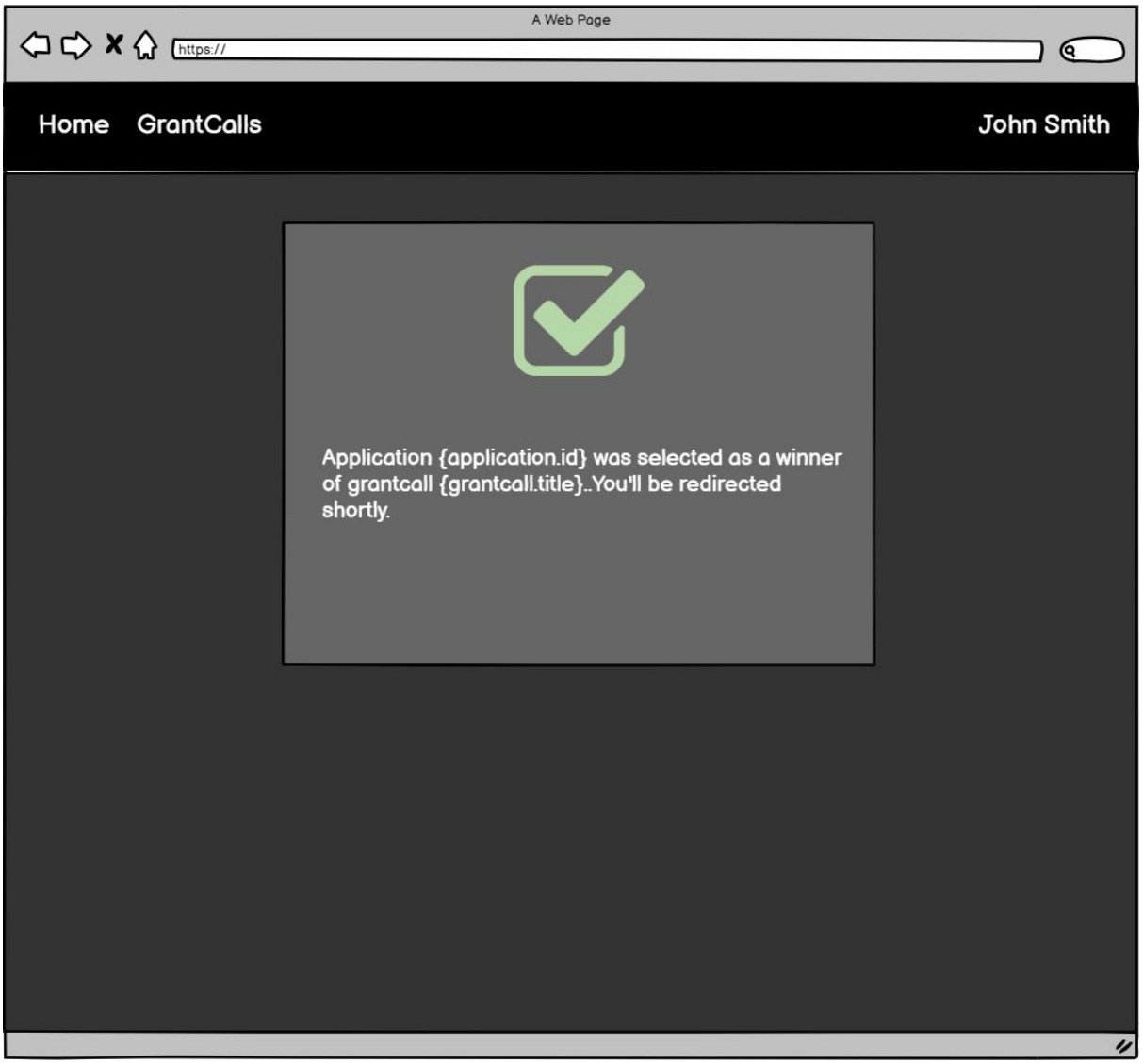
As panel chair is just a reviewer with more permissions on actions that he can perform in some grant calls, they share the same homepage view. The difference is just that the user can select what calls he wants to see, the ones where he only is a reviewer or the ones he is a panel chair.
In this view he can select the specific grant call he wants to see. This will lead to another view container, **ApplicationsList**.



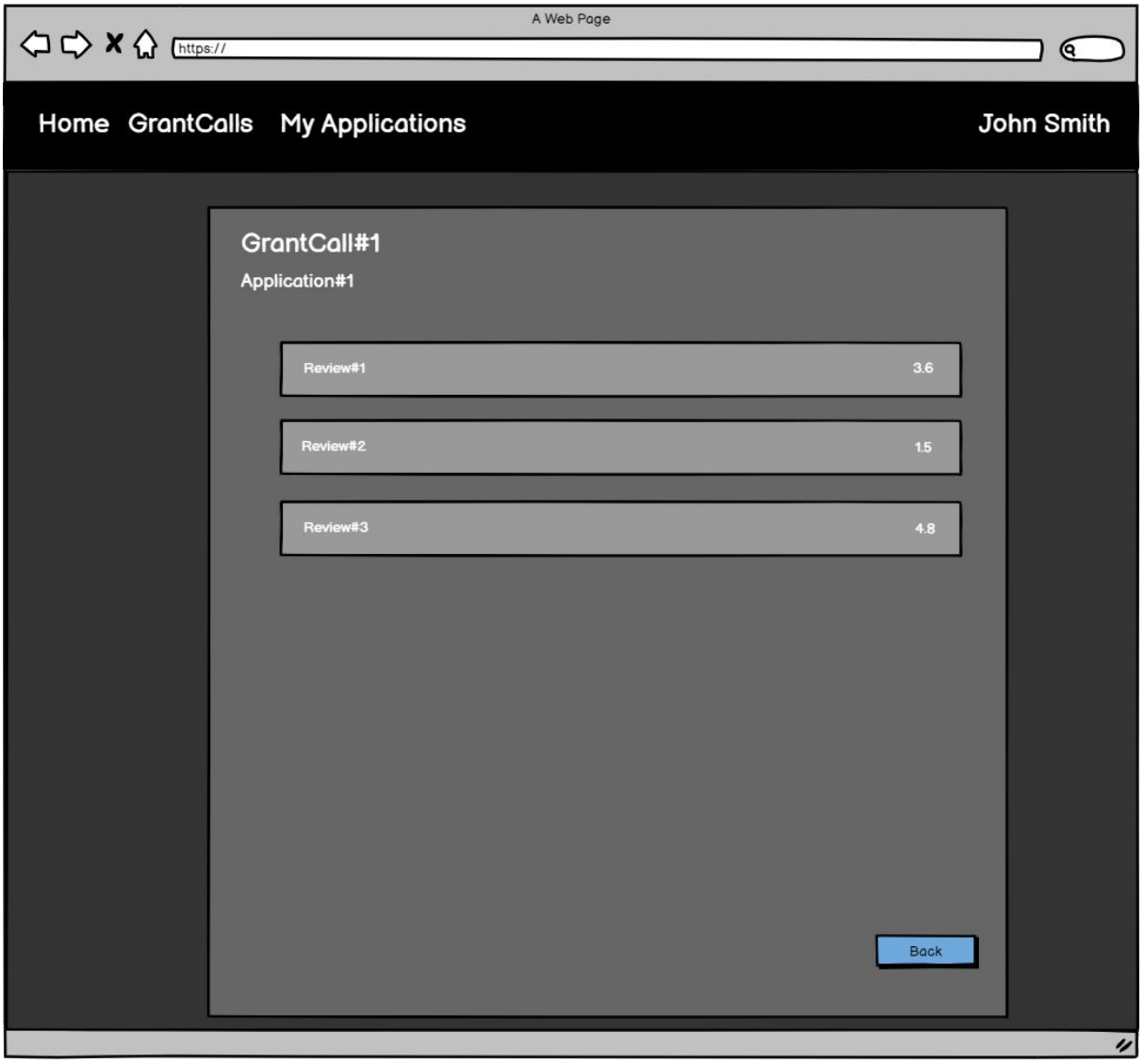
In this view he can see all the applications submitted to the system, can order them by **highest score** or by **most reviews.**
He can also choose an application to give it an approved status, which will prompt a confirmation message
If the user selects a specific application he will be redirected to a new view, **Application** container view, with the details of the application.



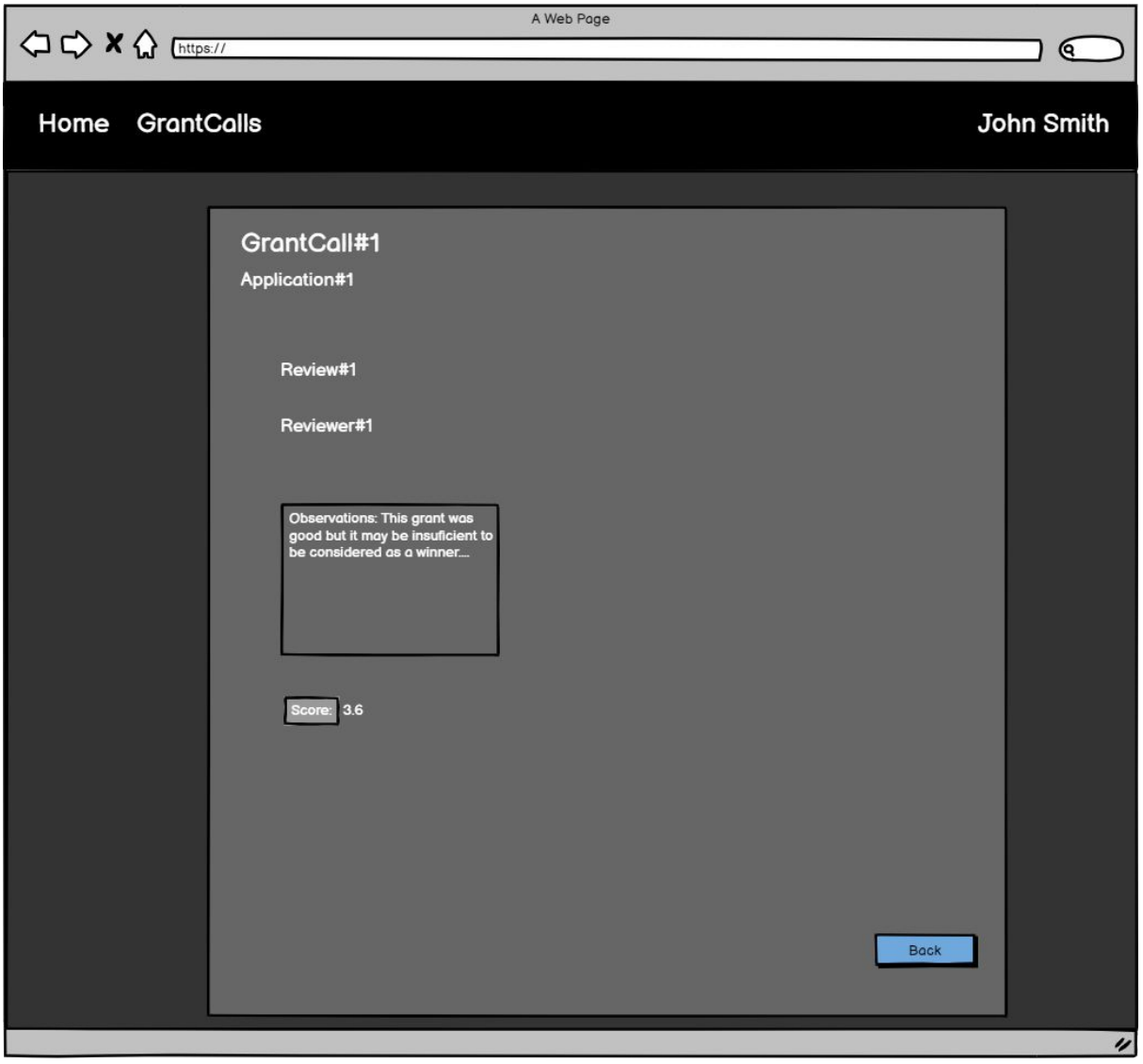
Here he can also select this application as approved, which will prompt the confirmation message or can go to the list of reviews associated with the application.



When he successfully chooses an application as approved he will be redirected to the list of applications of the given grant call.



This view corresponds to the **ReviewsList container view**, which shows all the reviews that an application has, with the associated score. Furthermore, he can also click in each one and will get redirect to that **Review** container view, where he can read it and see who did the review.



Anonymous User Stories:

12. As an anonymous user, I want to see the homepage, so that I can see the list of open grant calls, and the total number of submitted applications.

13. As an anonymous user, I want to see the homepage, so that I can see the list of grant calls, and their status and their opening and closing dates.

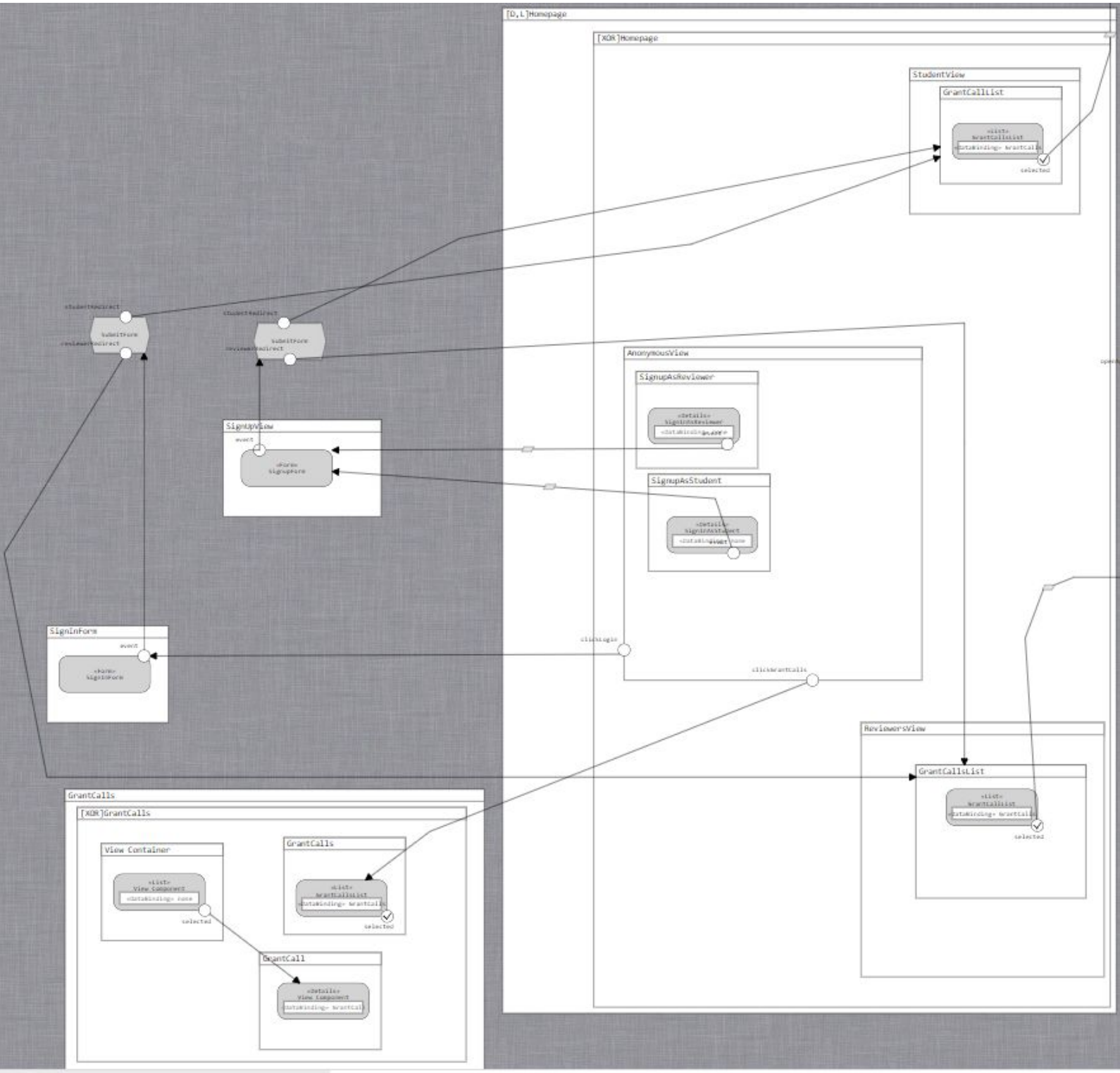
14. As an anonymous user, I want to see the list of grant calls, so that I can select a closed call and see the list of funded applications.

15. As an anonymous user, I want to see the homepage, so that I can sign in as a student.

16. As an anonymous user, I want to see the homepage, so that I can sign in as a reviewer

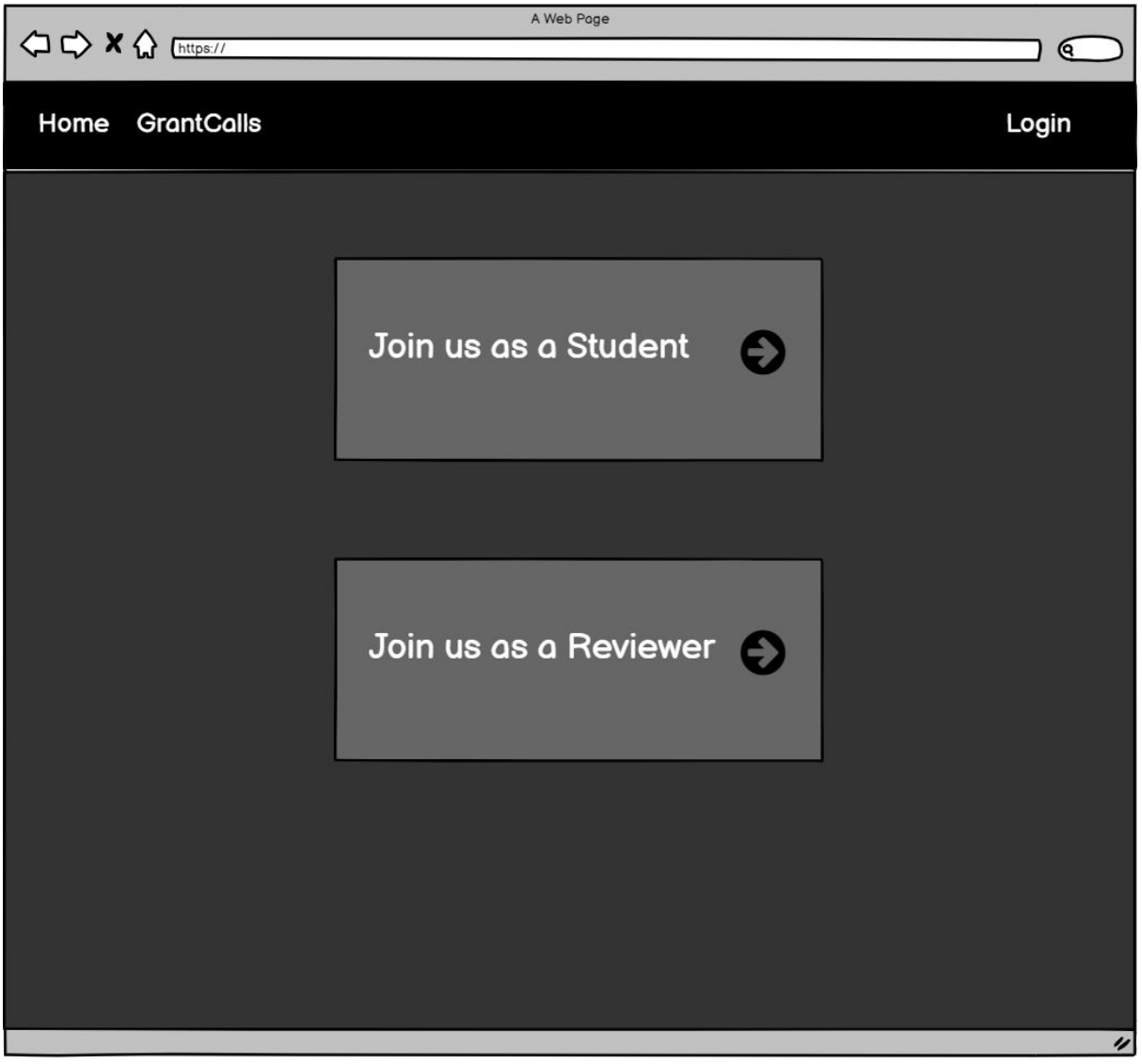
Additionally I also modeled the **possibility for an anonymous user to register in the system** as a Reviewer or Student.

IFML Diagram

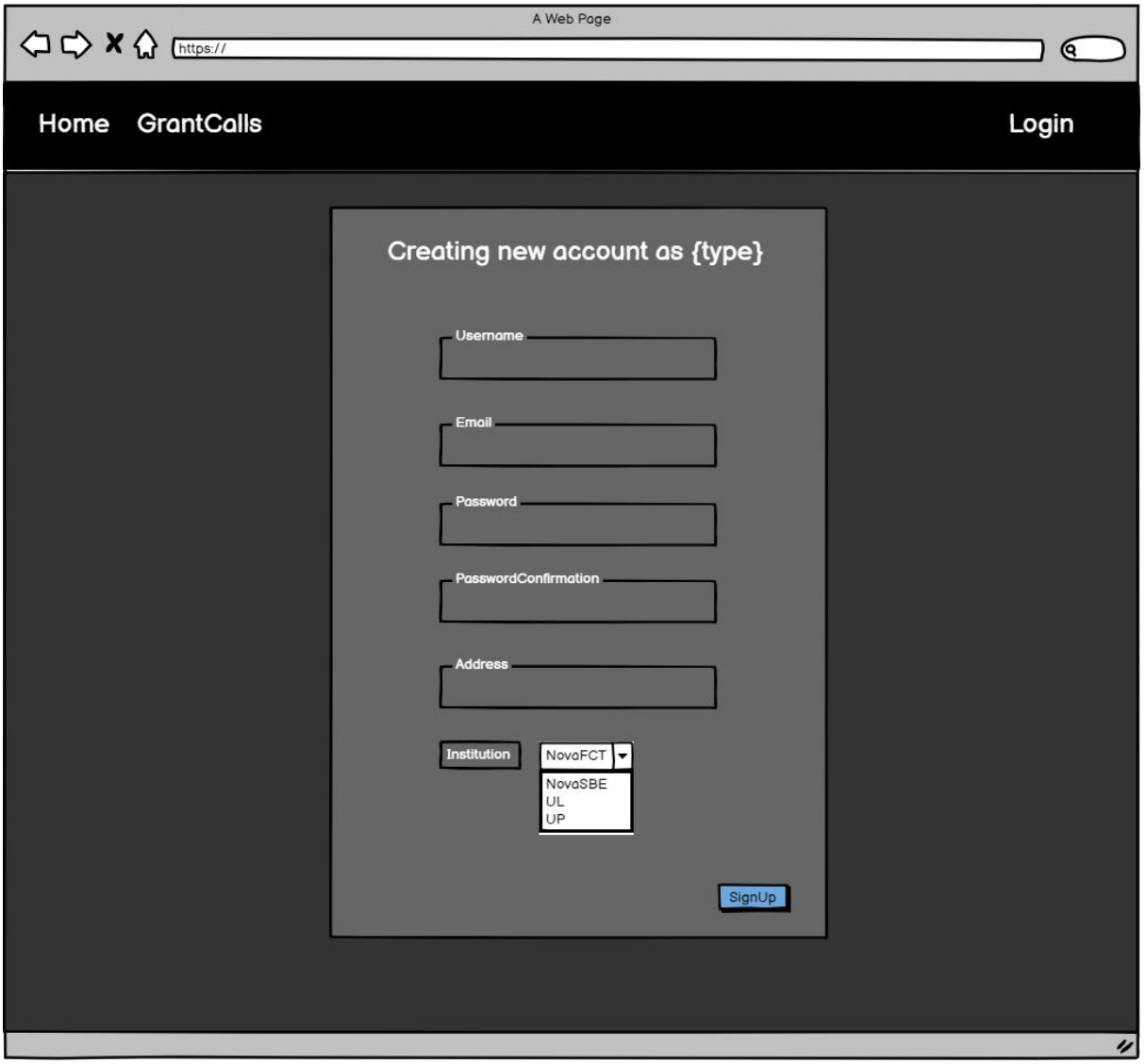


The figure above shows the IFML diagram that anonymous user stories as a panel chair of a grant call. In the following section I will show the respective mockups that represent each view container in this diagram.

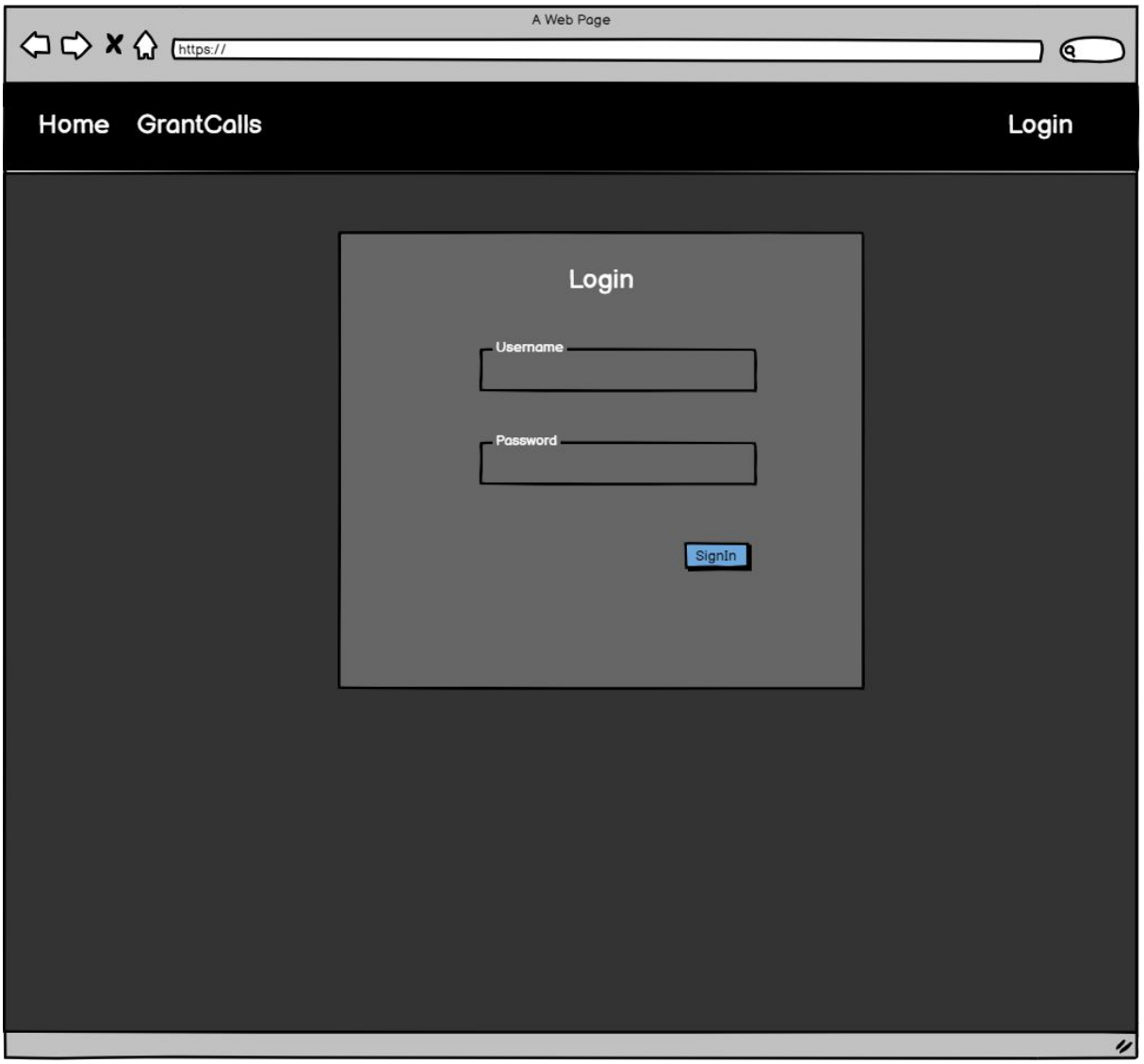
Mockups



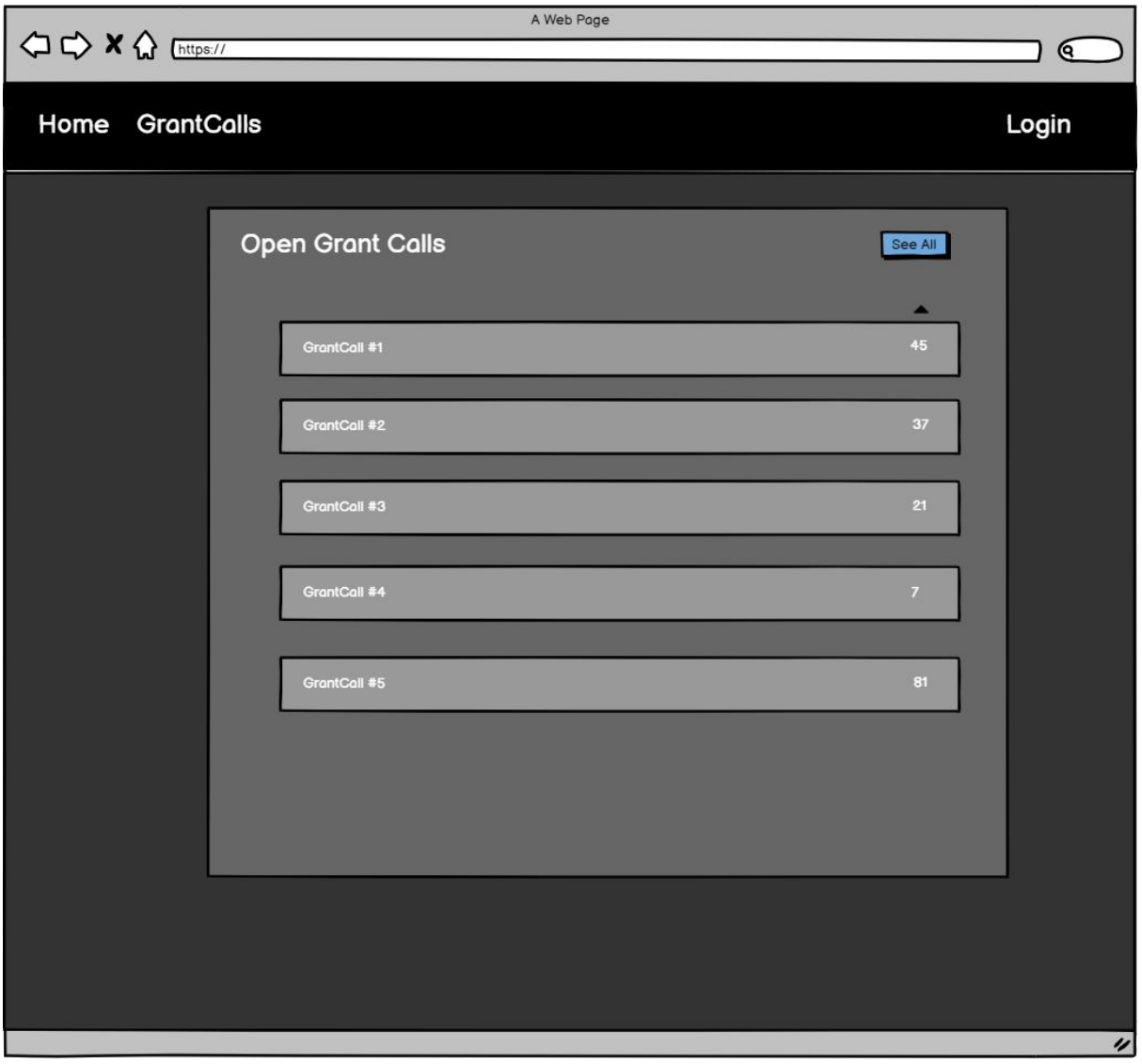
This is the homepage view for an anonymous user, it offers the possibility to register as a student or as a reviewer, authenticate in the system or see grantcalls.



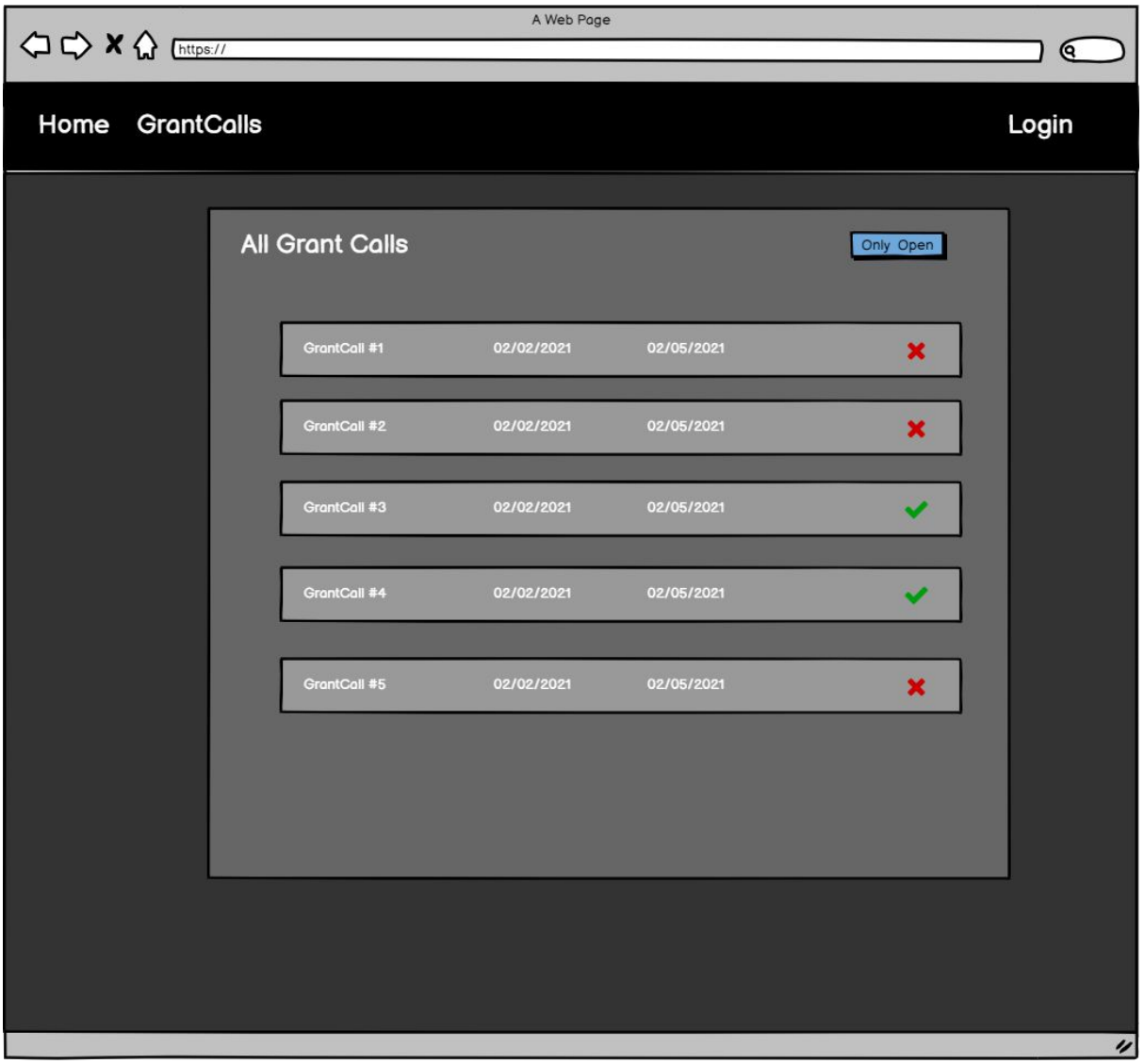
This mockup corresponds to the **SignUpForm view container** and lets the user register as either a student or a reviewer in the system.



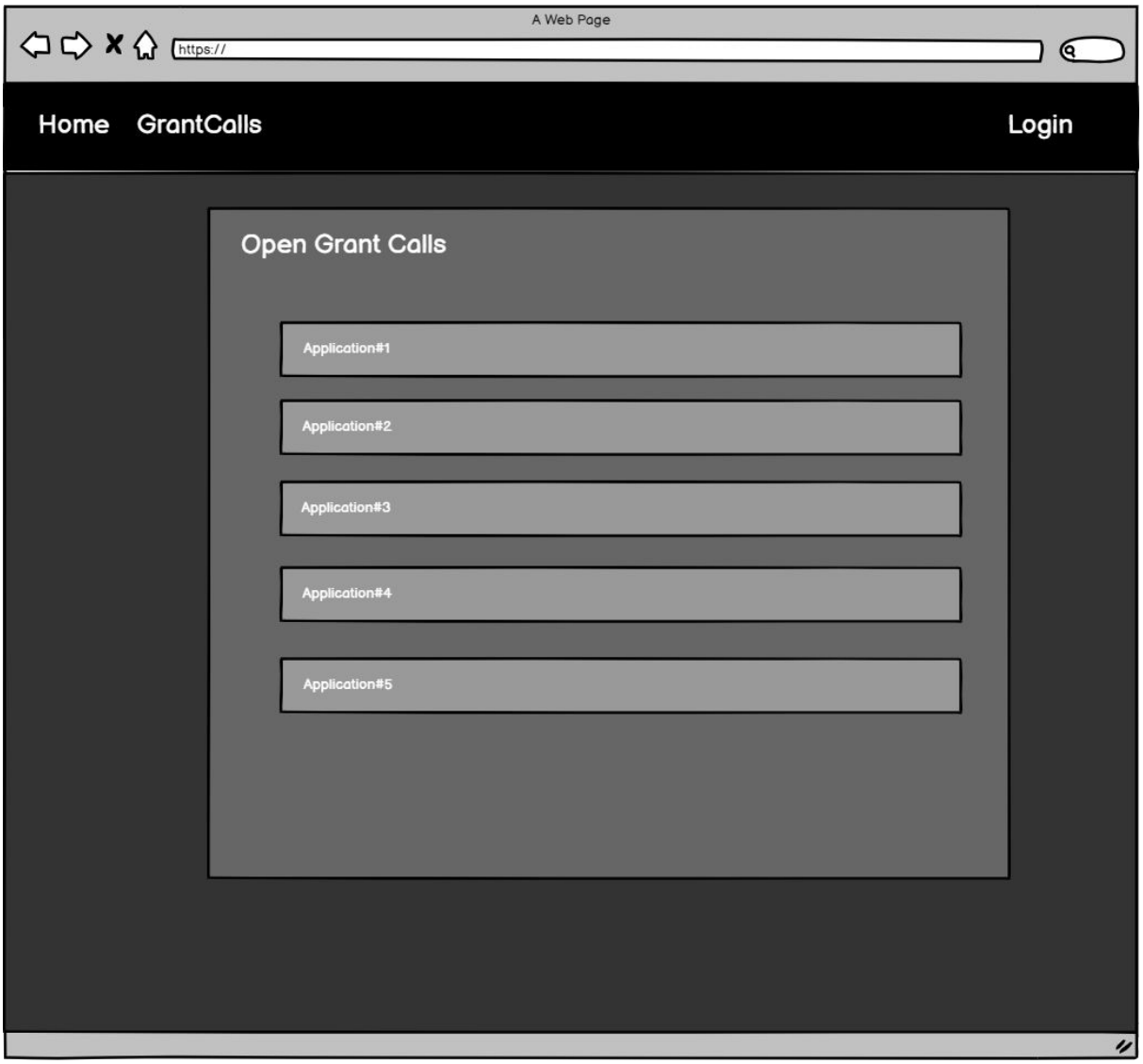
This mockup corresponds to the **SignInForm view container**, which lets the user authenticate as either a student, a sponsor or a reviewer in the system, depending on the credentials he introduces in the form.



Whenever the user **clicks on grant calls**, this **screen will appear**. It has all current open grantcalls and the possibility to **click on the button "See all"** to go to the **next view**, which displays all the grant calls even the ones that are closed.



In this screen, if the **user clicks on a closed call**, he will be redirected to another screen that displays applications which were approved and funded by the call.


A Web Page
https://
Home
GrantCalls
Login
Open Grant Calls
Application#1
Application#2
Application#3
Application#4
Application#5

Annexes

I provide as an attachment two files, **IFML.json** that can be opened in IFMEdit to better visualize the complete IFML diagram and **IFML.png** that provides an image of the complete diagram.