

Aplicações na Web 2021/2022 Mestrado em Engenharia Informática

Project Blueprint

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Front-end (Presentation Logic) & Back-end (Business Logic) Handlers

Microservices			Request		
		HTTP Call	URI	Request object	Response object
Front-end	Create Account	POST	/user	JSON Object: User	JSON string: code string: message Result description: Create user
	Login	POST	/user/login	JSON string: username string: password	JSON string: code string: message Result description: Logs user into the system
	Logout	GET	/user/logout	Empty	JSON string: code string: message Result description: Logs out current logged in user session
	User Profile	GET	/user/{user_id}	Empty	JSON Object: User Result description: Get user

Upo	date User Profile	PUT	/user/{user_id}	JSON Object: User	JSON string: code string: message Result description: Update user
De	elete User Profile	DELETE	/user/{user_id}	Empty	JSON string: code string: message Result description: Delete user
	Add Building	POST	/building	JSON Object: Building	JSON string: code string: message Result description: Add a new Building to the App
	Buildings	GET	/building/{user_id}	Empty	JSON Array of Objects: Building Result description: Get List of Buildings By User

Building	GET	/building/{building_id}	Empty	JSON Object: Building
Building	OL I	/building/{building_id/	шрц	Result description: Get Building
Update Building	PUT	/building/{building_id}	JSON Object: Building	JSON string: code string: message Result description: Update Building
Delete Building	DELETE	/building/{building_id}	Empty	JSON string: code string: message Result description: Delete Building
Add Work	POST	/work	JSON Object: Work	JSON string: code string: message Result description: Add a new work to a building

V	Works List By Building	GET	/work/{building_id}	Empty	JSON Array of Objects: Work Result description: Get list of works by building
Wor	orks List By User	GET	/work/{user_id}	Empty	JSON Array of Objects: Work Result description: Get list of works by user
	Work	GET	/work/{work_id}	Empty	JSON Object: Work Result description: Get a building work
	Update Work Status	PUT	/work/{work_id} /updateStatus	JSON: string: status	JSON string: code string: message Result description: Update a building's work status

Update Work	PUT	/work/{work_id}	JSON Object: Work	JSON string: code string: message Result description: Update a building work
Delete Work	DELETE	/work/{work_id}	Empty	JSON string: code string: message Result description: Delete a building work
Add Feedback	POST	/feedback	JSON Object: Feedback	JSON string: code string: message Result description: Create feedback from a work
Feedbacks List By Work	GET	/feedback/{worl_id}	Empty	JSON Array of Objects: Feedback Result description: Get work's list of feedbacks

	Feedback	GET	/feedback/{feedback_id}	Empty	JSON Object: Feedback Result description: Get a work feedback
	Update Feedback	PUT	/feedback/{feedback_id}	JSON Object: Feedback	JSON string: code string: message Result description: Update a work feedback
	Delete Feedback	DELETE	/feedback/{feedback_id}	Empty	JSON string: code string: message Result description: Delete a work feedback
Back-end	Manage users	POST	/user	JSON Object: User	Create user
		GET	/user/{id}	Empty	Get user

				T T
			JSON Object: User	
	PUT	/user/{id}		Update user
	DELETE	/user/{id}	Empty	Delete user
	POST	/user/login	JSON string: username string: password	Logs user into the system
	GET	/user/logout	Empty	Logs out current logged in user session
Manage Buildings	POST	/building	JSON Object: Building	Create building

	GET	/building/{user_id}	Empty	Get list of buildings by user
	GET	/building/{building_id}	Empty	Get building
	PUT	/building/{building_id}	JSON Object: Building	Update building
	DELETE	/building/{building_id}	Empty	Delete building
Manage Works	POST	/work	JSON Object: Work	Create work
	GET	/work/{building_id}	Empty	Get list of works by building
	GET	/work/{user_id}	Empty	Get list of works by user
	GET	/work/{work_id}	Empty	Get work
	PUT	/work/{work_id}	JSON Object: Work	
				Update work
	PUT	/work/{work_id} /updateStatus	JSON string: status	Update work status

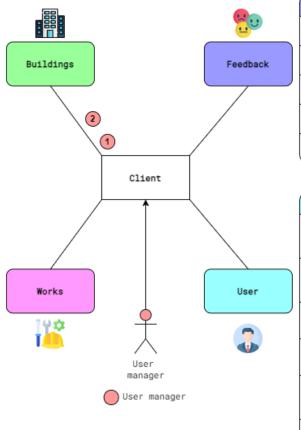
	DELETE	/work/{work_id}	Empty	Delete work
Manage Feedback	POST	/feedback	JSON Object: Feedback	Create feedback
	GET	/feedback/{work_id}	Empty	Get list of feedbacks by work
	GET	/feedback/{feedback_id}	Empty	Get feedback
	PUT	/feedback/{feedback_id}	JSON Object: Feedback	Update feedback
	DELETE	/feedback/{feedback_id}	Empty	Delete feedback

Workflows

Building Management (Add Building)



	Works API	
POST	/work	
GET	/work/{work_id}	{w_details}
GET	/work/{building_id}	{works_list_by_building}
GET	/work/{user_id}	{works_list_by_user}
PUT	/work/{work_id}/updateStatus	
PUT	/work/{work_id}	
DELETE	/work/{work_id}	



	Feedback AP	I
POST	/feedback	
GET	/feedback/{feedback_id}	{f_details}
GET	/feedback/{work_id}	{feedback_list_by_work}
PUT	/feedback/{feedback_id}	
DELETE	/feedback/{feedback_id}	

User API					
POST	/user				
GET	/user/{user_id}	{u_details}			
PUT	/user/{user_id}				
DELETE	/user/{user_id}				
POST	/user/login	{u_token}			
GET	/user/logout				

Work Management (Manager Adds Work)



Works API

/work

/work/{work_id}

/work/{building_id}

/work/{user_id}

/work/{work_id}/updateStatus

/work/{work_id}

/work/{work_id}

POST

GET

GET

GET

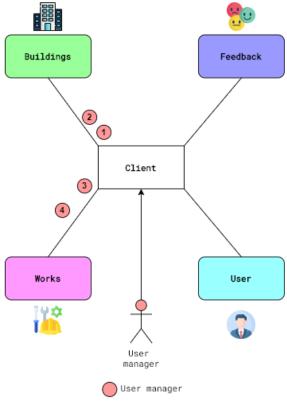
PUT

PUT

DELETE

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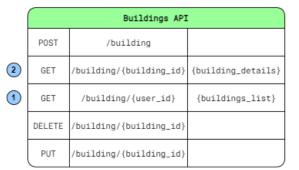
{w_details}	
{works_list_by_building}	
{works_list_by_user}	



Feedback AF		ı
POST	/feedback	
GET	/feedback/{feedback_id}	{f_details}
GET	/feedback/{work_id}	{feedback_list_by_work}
PUT /feedback/{feedback_id}		
DELETE	/feedback/{feedback_id}	

User API		
POST	/user	
GET	/user/{user_id}	{u_details}
PUT	/user/{user_id}	
DELETE	/user/{user_id}	
POST	/user/login	{u_token}
GET	/user/logout	

Work Management (Give Feedback)



Works API

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Buildings	Feedback
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3	
Works	User
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	/ ser ervisor
Use	r supervisor

	Feedback API			
POST /feedback		/feedback		(
	GET /feedback/{feedback_id}		{f_details}	
	GET /feedback/{work_id}		{feedback_list_by_work}	
	PUT	/feedback/{feedback_id}		
	DELETE	/feedback/{feedback_id}		

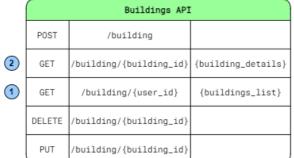
	POST	/work	
4	GET	/work/{work_id}	{w_details}
3	GET	/work/{building_id}	{works_list_by_building}
	GET	/work/{user_id}	{works_list_by_user}
	PUT	/work/{work_id}/updateStatus	
	PUT	/work/{work_id}	
	DELETE	/work/{work_id}	

User API		
POST	/user	
GET	/user/{user_id}	{u_details}
PUT	/user/{user_id}	
DELETE	/user/{user_id}	
POST	/user/login	{u_token}
GET	/user/logout	

Work Management (Inspection)

Feedback

User



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	User
	supervisor
	User supervisor

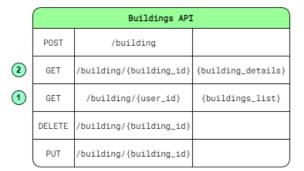
Buildings

Feedback API		
POST	/feedback	
GET	/feedback/{feedback_id}	{f_details}
GET	/feedback/{work_id}	{feedback_list_by_work}
PUT	/feedback/{feedback_id}	
DELETE	/feedback/{feedback_id}	

	Works API		
	POST	/work	
4	GET	/work/{work_id}	{w_details}
3	GET	/work/{building_id}	{works_list_by_building}
	GET	/work/{user_id}	{works_list_by_user}
5	PUT	/work/{work_id}/updateStatus	
	PUT	/work/{work_id}	
	DELETE	/work/{work_id}	

User API		
POST	/user	
GET	/user/{user_id}	{u_details}
PUT	/user/{user_id}	
DELETE	/user/{user_id}	
POST	/user/login	{u_token}
GET	/user/logout	

Work Management (View Feedback)



Works API

 $\{w_details\}$

{works_list_by_building}

{works_list_by_user}

/work

/work/{work_id}

/work/{building_id}

/work/{user_id}

/work/{work_id}/updateStatus

/work/{work_id}

/work/{work_id}

		80
Buildings		Feedback
2		6
	Client	
3		
Works		User
T.	User	
	User	

Feedback API							
POST	/feedback						
GET	/feedback/{feedback_id}	{f_details}	(
GET	/feedback/{work_id}	{feedback_list_by_work}	(
PUT	/feedback/{feedback_id}						
DELETE	/feedback/{feedback_id}						



POST

GET

GET

GET

PUT

PUT

DELETE

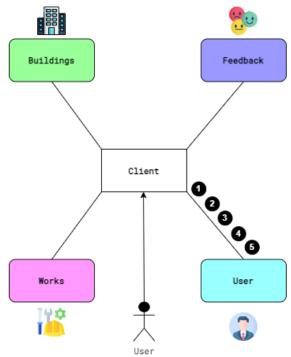


<u> </u>			User API	
3		POST	/user	
orks	User	GET	/user/{user_id}	{u_details}
¥ .		PUT	/user/{user_id}	
User		DELETE	/user/{user_id}	
User		POST	/user/login	{u_token}
		GET	/user/logout	

User Management (Register -> Login -> Update Profile -> Logout)

Buildings API								
POST	/building							
GET	/building/{building_id}	{building_details}						
GET	/building/{user_id}	{buildings_list}						
DELETE	/building/{building_id}							
PUT	/building/{building_id}							

	Works API								
POST	/work								
GET	/work/{work_id}	{w_details}							
GET	/work/{building_id}	{works_list_by_building}							
GET	/work/{user_id}	{works_list_by_user}							
PUT	/work/{work_id}/updateStatus								
PUT	/work/{work_id}								
DELETE	/work/{work_id}								



	Feedback AP	I
POST	/feedback	
GET	/feedback/{feedback_id}	{f_details}
GET	/feedback/{work_id}	{feedback_list_by_work}
PUT	/feedback/{feedback_id}	
DELETE	/feedback/{feedback_id}	

	User API							
POST	/user							
GET	/user/{user_id}	{u_details}						
PUT	/user/{user_id}							
DELETE	/user/{user_id}							
POST	/user/login	{u_token}						
GET	/user/logout							

Business Objects

```
"type": "object",
                                       "building_id"
"required": [
  "user_id"
                                        "building_id": {
"properties": {
    "type": "integer",
                                         "type": "string",
    "format": "int64"
                                         "format": "binary"
  "first_name": {
                                         "type": "string"
    "type": "string"
                                         "type": "string"
  "last_name": {
    "type": "string"
                                          "type": "string"
                                         "type": "array",
"items": {
     "type": "string"
     "type": "string"
                                              "type": "string"
   "password": {
     "type": "string",
    "format": "password"
  "phone_number": {
     "type": "number"
                                          "type": "array",
                                          "description": "Managers IDs (assigned by system at account creation) List",
    "type": "string",
     "enum": [
       "manager",
       "supervisor"
                                          "description": "Supervisor IDs (assigned by system at account creation) List",
```

```
"work_id"
"work_id": {
    "type": "integer",
    "format": "int64"
   "type": "string",
    "type": "string",
   "type": "string",
       "waiting",
        "scheduled",
        "approved",
    "items": {
  "type": "object",
  "properties": {
    "name": {
           "phone_number": {
    "type": "number"
```

```
"Feedback":{
"type": "object",
"required": [
 "feedback_id"
"properties": {
 "feedback_id": {
   "type": "integer",
   "format": "int64"
  "work_id": {
   "type": "integer",
   "format": "int64"
  "user_id": {
   "type": "integer",
   "format": "int64"
 "date": {
   "type": "string",
   "format": "date-time"
 "title": {
   "type": "string"
  "content": {
   "type": "string"
```

Data Bindings

Id	HTML	Bindings	Description
1		ng-bind="login"	Login title header.
2	<input/>	ng-model="username"	Input for username.
3	<input/>	ng-model="password"	Input for password.
4	<button></button>	ng-click="login()"	Button to send login data to
			the server.
5	<button></button>	ng-click="cancel()"	Button to cancel the action.
6		ng-bind="login_feedback()"	Show feedback for login action.
1		ng-bind="create_account"	Create Account title header.
	1 2 3 4 5	1	1

Label	2	<input/>	ng-model="first_name"	Input First name
Label Input(2)	3	<input/>	ng-model="last_name"	Input Last name
Label Input(3)	4	<input/>	ng-model="username"	Input for username.
Label Input (4)		Amputs	ng-model- daemame	input for asciname.
Label Input (5)	5	<input/>	ng-model="email"	Input for email.
Label Input (6)	6	<input/>	ng-model="password"	Input for password.
Label Input (7)	7	<input/>	ng-model="phone_number"	Input for phone number.
	8	<button></button>	ng-click="create_account()"	Button to send account data to the server.
Button space (8)	9	>	ng-bind="create_account _feedback()"	Show feedback for register action.
Feedback (9)				
Page - Create Account				

	1		ng-bind="profile"	Update user's profile title header.
Header (1)	_			
	2	<input/>	ng-model="name"	Input for name.
Label	_			
Label Input (2)	3	<input/>	ng-model="username"	Input for username.
Label Input (3)	4	<input/>	ng-model="email"	Input for email.
Label Input (4)	5	<input/>	ng-model="password"	Input for password.
Label Input (5)	6	<input/>	ng-model="phone_number"	Input for phone number.
Label Input (6)				
	7	<button></button>	ng-click="update_user_profile()"	Button to send updated profile data to the server.
Button space (7,8,9)	8	<button></button>	ng-click="cancel()"	Button to cancel the action.
Feedback (10)	9	<button></button>	ng-click="delete_user_profile()"	Button to delete user from the system.

Page - Update Profile	10	>	ng-bind="update_profile_feedback()"	Show feedback for update profile action.
Header (1)	1		ng-bind="building_view"	Building's view title header.
Paragraph space (2,3,4,5)	2	>	ng-bind="building_id"	Show building's id.
Label	3	>	ng-bind="name"	Show building's name.
Label li (6)	4	>	ng-bind="description"	Show building's description.
Label li (7)	5		ng-bind="localization"	Show building's localization.
Label li (8)	6	< i>	ng-repeat="problem in problems"	List building problems.
Button space (9)	7	< i>	ng-repeat="manager in managers"	List building managers.
Feedback (10)	8	< i>	ng-repeat="supervisor in supervisors"	List building supervisors.

Page - Building Overview	9	<button></button>	ng-click="redirect_to_list_of_works()"	Button to redirect user to building works view.
	10	>	ng-bind="building_view_feedback()"	Show feedback for building view action.
	1		ng-bind="add_building"	Add building title header.
Header (1)				
	2	<input/>	ng-upload ="add_image"	Add building's image
Label				
Label Input(2)	3	<input/>	ng-model="name"	Input for name.
Label Input(2)				
	4	<input/>	ng-model="description"	Input for description.
Label Input (3)				
Label Input (4)	5	<input/>	ng-model="localization"	Input for username.
mput (4)				
Label Input (5)	6	<input/>	ng-model="problem"	Input for problem to be
			ng-click="add_problem()"	added to building's problems list.
Label Input (6)	7	<button></button>	ng-repeat="problem in problems"	Delete the selected problem
Label			ng-click="delete_problem()"	from the building's problems list.
Label li li Button(7)				
25.15.(1)				

Label Insut (0)	8	<input/>	ng-model="manager" ng-click="add_manager()"	Input for manager to be added to building's managers list.
Label Input (8)	9	<button></button>	ng-repeat="manager in managers" ng-click="delete_manager()"	Delete the selected manager from the building's managers list.
Label Button (9)	10	<input/>	ng-model="supervisor" ng-click="add_supervisor()"	Input for supervisor to be added to the building's supervisors list.
Label Input (10)	11	<button></button>	ng-repeat="supervisor in supervisors" ng-click="delete_supervisor()"	Delete the selected supervisor from the building's supervisors list.
Label li Label Button (11)	12	<button></button>	ng-click="add_building()"	Button to send new building data to the server.
	13	<button></button>	ng-click="cancel()"	Button to cancel action.
Button space (12,13)	14	>	ng-bind="add_building_feedback()"	Show feedback for add building action.
Feedback (14)				
Page - Add Building				

	1		ng-bind="update_building"	Update building title header.
Header (1)	2	<input/>	ng-model="name"	Input for name.
Label	3	<input/>	ng-model="description"	Input for description.
Label Input (2)	4	<input/>	ng-model="localization"	Input for localization.
Label Input (3)	5	<input/>	ng-model="problem" ng-click="add_problem()"	Input for problem to be added to building's problems list.
Label Input (4)	6	<button></button>	ng-repeat="problem in problems" ng-click="delete_problem()"	Delete the selected problem from the building's problems list.
Label Input(5) Label Ii	7	<input/>	ng-model="manager" ng-click="add_manager()"	Input for manager to be added to building's managers list.
Label Button (6)	8	<button></button>	ng-repeat="manager in managers" ng-click="delete_manager()"	Delete the selected manager from the building's managers list.
Label Input(7)	9	<input/>	ng-model="supervisor" ng-click="add_supervisor()"	Input for supervisor to be added to the building's supervisors list.
Label li Label Button (8)	10	<button></button>	ng-repeat="supervisor in supervisors" ng-click="delete_supervisor()"	Delete the selected supervisor from the building's supervisors list.

	11	<button></button>	ng-click="uptade_building()"	Button to send updated building data to the server.
Label Input(9)	12	<button></button>	ng-click="delete_building()"	Button to delete building from the system.
Label	13	<button></button>	ng-click="cancel()"	Button to cancel action.
Label Button (10)	14		ng-bind="update_building_feedback ()"	Show feedback for update building action.
Button space (11,12,13)				
Feedback (14)				
Page - Update Building				
	1		ng-bind="list_buildings"	List User's buildings title header.
Header (1)				neader.
Label				

Label Input (2) Label Ii (3)	2	<input/>	ng-change="search_building"	Search for a specific building.
Button space (4)	3	< i>	ng-repeat="building_in_buildings" ng-click="redirect_to_building()"	List User's building items.
Feedback (5)	4	<button></button>	ng-click="redirect_to_add_building()"	Button to redirect user to add building view.
Page - Buildings	5	>	ng-bind="list_building_feedback()"	Show feedback for list buildings action.
	1		ng-bind="work_view"	Work's view title header.
Header (1)	2		ng-bind="work_id"	Show work's id.
Paragraph space (2,3,4,5,6,7)	3		ng-bind="building_id"	Show building's id associated with the current work.
Lobal	4		ng-bind="type"	Show work's type.
Label Input(8)	5		ng-bind="description"	Show work's description.

	6		ng-bind="startDate"	Show work's start date.
Label li (9)	7	<	ng-bind="finishDate"	Show work's finish date.
	8	<input/>	ng-model="status"	Current work's status can be updated.
Button space (10,11, 12)	9	< i>	ng-repeat="contractor in contractors"	List work contractors.
Feedback (13)	10	<button></button>	ng-click="redirect_to_add_work_feed back()"	Button to redirect user to add new work's feedback page.
Page - Work Overview	11	<button></button>	ng-click="redirect_to_list_of_feedbacks()"	Button to redirect user to list feedbacks by building page.
	12	<button></button>	ng-click="update_work_status()"	Button to send updated work's status data to the server.
	13		ng-bind="work_view_feedback()"	Show feedback for work view action.
	1		ng-bind="add_work"	Add work title header.
Header (1)	2	<input/>	ng-model="building_id"	Input for building's id associated with the new work.
Label	3	<input/>	ng-model="type"	Input for type.
Label Input (2)	4	<input/>	ng-model="description"	Input for description.

	5	<input/>	ng-model="startDate"	Input for start date.
Input (3)	6	<input/>	ng-model="finishDate"	Input for finish date.
Input (4)	7	<input/>	ng-model="status"	Input for status.
Input (5)	8.1	<input/>	ng-model="name"	Input for contractor's name.
Input (6)	8.2	<input/>	ng-model="age"	Input for contractor's age.
Input (7)	8.3	<input/>	ng-model="phone_number"	Input for contractor's phone number.
	8.4	<input/>	ng-model="email"	Input for contractor's email.
Input (8.1) Input (8.2)	8.5	<input/>	ng-model="occupation"	Input for contractor's occupation.
Input (8.3)	8.6	<button></button>	ng-click="add_contractor()"	Button to add contractor to work's contractor list.
Input (8.5)	9	<button></button>	ng-repeat="contractor in contractors" ng-click="delete_contractor()"	Delete the selected contractor from the work's contractors list.
li Label Button (9)	10	<button></button>	ng-click="add_work()"	Button to send new work data to the server.
	Input (4) Input (5) Input (6) Input (7) Input (8.1) Input (8.2) Input (8.3) Input (8.4) Input (8.5) button (8.6)	Input (3) 6 Input (4) 7 Input (5) 8.1 Input (6) 8.2 Input (7) 8.4 Input (8.1) 8.5 Input (8.2) 8.6 Input (8.4) 9 Input (8.5) button (8.6) 10	Input (3) 6	Input (3) 6

Button space (10,11)	11	<button></button>	ng-click="cancel()"	Button to cancel action.
Page - Add Work	12		ng-bind="add_work_feedback()"	Show feedback for add work action.
	1	>	ng-bind="update_work"	Update work title header.
Header (1)	2	<input/>	ng-model="type"	Input for type.
Label	3	<input/>	ng-model="description"	Input for description.
Label Input (2)	4	<input/>	ng-model="startDate"	Input for start date.
Label Input (3)	5	<input/>	ng-model="finishDate"	Input for finish date.
Label Input (4)	6	<input/>	ng-model="status"	Input for status date.

Label	Input (5)	8.1	<input/>	ng-model="name"	Input for contractor's name.
Label	Input (6)	8.2	<input/>	ng-model="age"	Input for contractor's age.
Label	Input (8.1)	8.3	<input/>	ng-model="phone-number"	Input for contractor's phone number.
Label	Input (8.2)	8.4	<input/>	ng-model="email"	Input for contractor's email.
Label Label	Input (8.3) Input (8.4)	8.5	<input/>	ng-model="occupation"	Input for contractor's occupation.
Label	Input (8.5) button (8.6)	8.6	<button></button>	ng-click="add_contractor()"	Button to add contractor to work's contractor list.
Label	li	9	<button></button>	ng-repeat="contractor in contractors" ng-click="delete_contractor()"	Delete the selected contractor from the work's contractors list.
	Label Button (9)	10	<button></button>	ng-click="update_work()"	Button to send updated work data to the server.
		11	<button></button>	ng-click="delete_work()"	Button to delete work from the system.
Ви	utton space (10,11,12)	12	<button></button>	ng-click="cancel()"	Button to cancel action.
	Feedback (13)	13		ng-bind="update_work_feedback()"	Show feedback for update work action.

Page - Update Work				
Header (1)	1	>	ng-bind="list_works_by_building"	List of works by building title header.
Label Input(2)	2	<input/>	ng-change="search_work"	Search for a specific work
Label li (3)	3	< i>	ng-repeat="work in works" ng-click="redirect_to_work()"	List building's works items, when clicked redirect the user to selected work.
Button Space (4)	4	<button></button>	ng-click="redirect_to_add_building_ work"	Button to redirect user to add a building's work (microservice) view.
Page - Works List By Building	5	>	ng-bind="list_work_feedback()"	Show feedback for list works action.

Header (1)	1	>	ng-bind="list_works_by_user"	List of works by user title header.
Label				
Label Input(2)	2	<input/>	ng-change="search_work"	Search for a specific work
Label li (3)				
Button Space (4)	3	< i>	ng-repeat="work in works" ng-click="redirect_to_work()"	List user's works items, when clicked redirect the user to selected work.
Feedback (5)				
Page Works List By User				
Page - Works List By User	4	<button></button>	ng-click="redirect_to_add_work"	Button to redirect user to add a building's work (microservice) view.

	5		ng-bind="list_work_feedback()"	Show feedback for list works action.
	1		ng-bind="feedback_view"	Work's Feedback Message view title header.
Header (1)	2		ng-bind="feedback_id"	Show work's feedback message id.
Paragraph space (2,3,4,5,6,7)	3		ng-bind="work_id"	Show work's id associated with the current work's feedback message.
Button Space (8) Feedback (9) Page - Feedback Overview	4		ng-bind="username"	Show the username of the work's feedback message author.
	5		ng-bind="date"	Show work's feedback message date.
	6		ng-bind="title"	Show work's feedback message title.
	7		ng-bind="content"	Show work's feedback message content.
	8	<button></button>	ng-click="redirect_to_update_feedback"	Button to redirect user to update work feedback message.

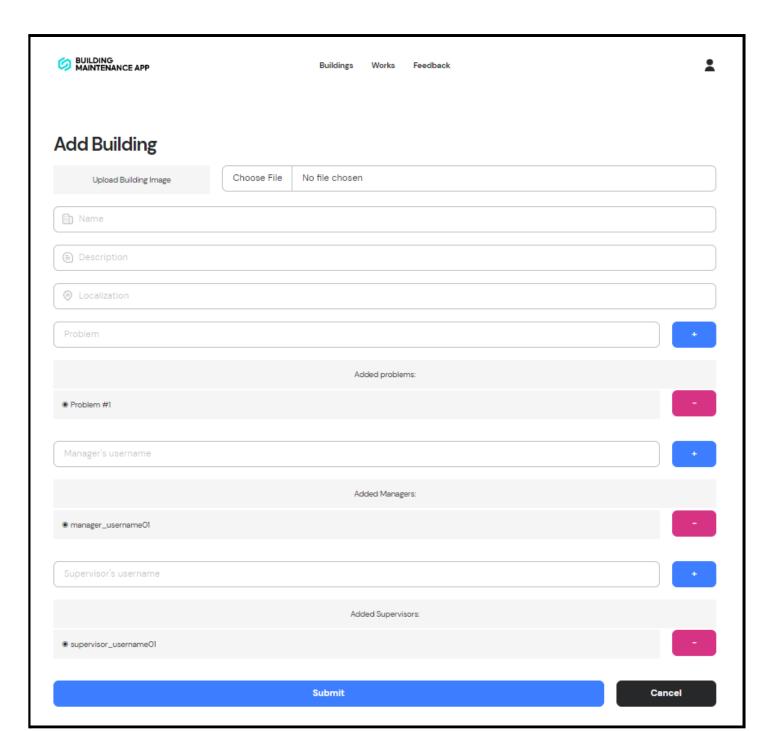
	9	>	ng-bind="feedbackMessage_view_fe edback()"	Show feedback for work's feedback message view action.
	1		ng-bind="add_feedback"	Add work's feedback message title header.
Header (1)				
Label	2	<input/>	ng-model="work_id"	Input for work's id associated with the current work's feedback message.
Label Input (2)	3	<input/>	ng-model="title"	Input for title.
Label Input (3)	4	<textarea></td><td>ng-model="content"</td><td>Input for content.</td></tr><tr><td>Label Textarea (4)</td><td>5</td><td><button></td><td>ng-click="add_feedback()"</td><td>Button to send new work's feedback message data to the server (datetime and author's info, ie the current user, don't need user's input).</td></tr><tr><td>Button space (5,6)</td><td></td><td></td><td></td><td>. ,</td></tr><tr><td></td><td>6</td><td><button></td><td>ng-click="cancel()"</td><td>Button to cancel action.</td></tr><tr><td>Feedback (7)</td><td></td><td></td><td></td><td></td></tr><tr><td>Page - Add Feedback</td><td>7</td><td>></td><td>ng-bind="add_feedbackMessage_fe
edback()"</td><td>Show feedback for add work's feedback message action.</td></tr></tbody></table></textarea>		

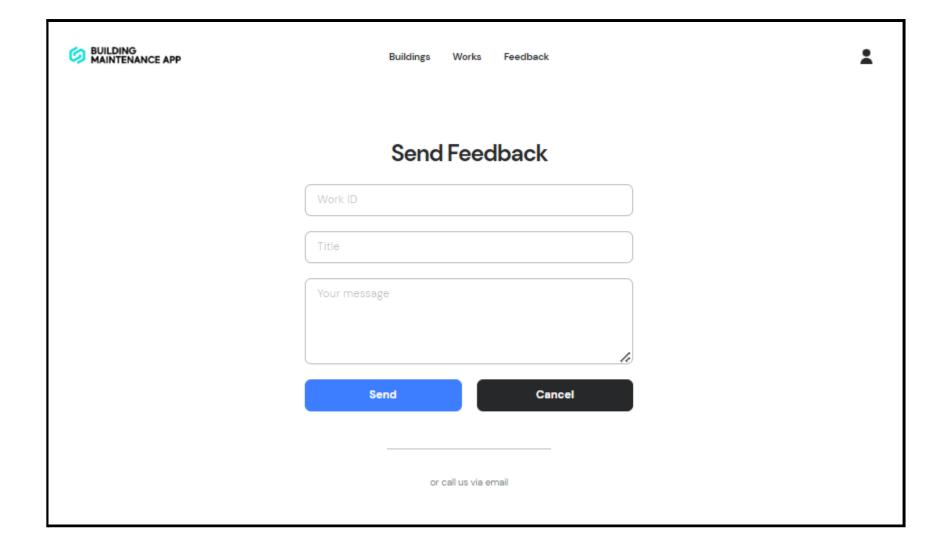
	1		ng-bind="update_feedback"	Update work's feedback message title header.
Header (1)	2	<textarea></td><td>ng-model="content"</td><td>Input for content.</td></tr><tr><td>Label Label Textarea (2)</td><td>3</td><td><button></td><td>ng-click="update_feedback()"</td><td>Button to send updated work's feedback message data to the server.</td></tr><tr><td></td><td>4</td><td><button></td><td>ng-click="cancel()"</td><td>Button to cancel action.</td></tr><tr><td>Button space (3,4,5)</td><td>5</td><td><button></td><td>ng-click="delete_feedback()"</td><td>Button to delete work's feedback message from the system.</td></tr><tr><td>Feedback (6) Page - Update Feedback</td><td>7</td><td>></td><td>ng-bind="update_feedbackMessage
_feedback()"</td><td>Show feedback for update work's feedback message action.</td></tr><tr><td>Header (1)</td><td>1</td><td>></td><td>ng-bind="list_feedbacks"</td><td>List work's feedback
message title header.</td></tr></tbody></table></textarea>		

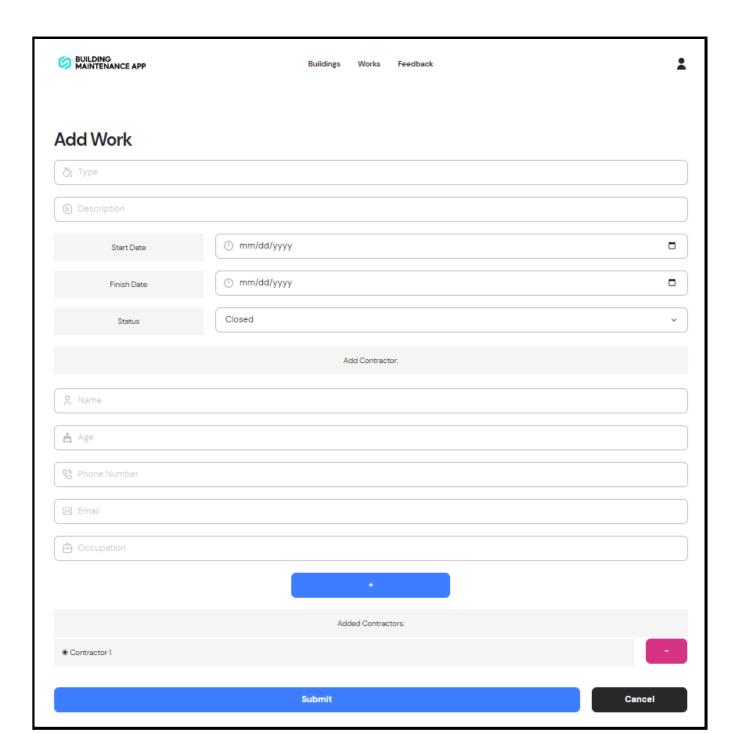
Label Input(2)	2	<input/>	ng-change="search_feedback"	Search for a specific feedback
Label li (3)	3	< i>>	ng-repeat="feedback in feedbacks" ng-click="redirect_to_feedback()"	List work's feedback items, when clicked redirect the user to selected work's feedback message.
Feedback (4) Page - Feedbacks	4	>	ng-bind="list_feedbackMessages_fe edback()"	Show feedback for list work's feedback messages action.
Button Space (1,2,3,4)	1	<button></button>	ng-click="redirect_to_buildings"	Button to redirect user to buildings list view.
Header (present on all pages except login and account creation pages)	2	<button></button>	ng-click="redirect_to_works_list_by user()"	Button to redirect user to works list view.

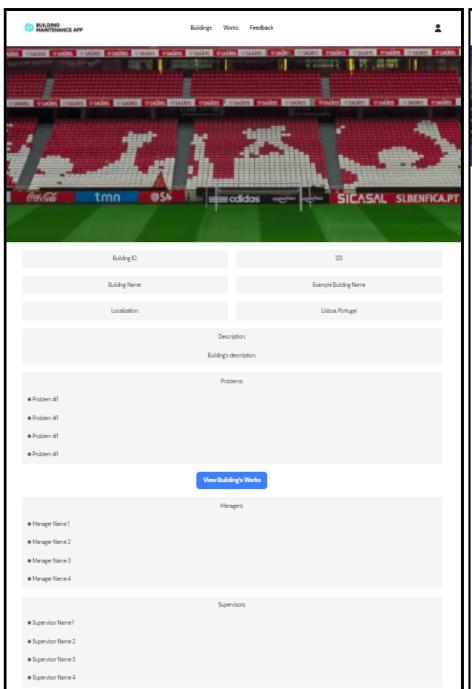
3	<button></button>	ng-click="redirect_to_add_feedback()"	Button to redirect user add feedback form.
4	<button></button>	ng-click="redirect_to_user_profile()"	Button to redirect user to profile view.

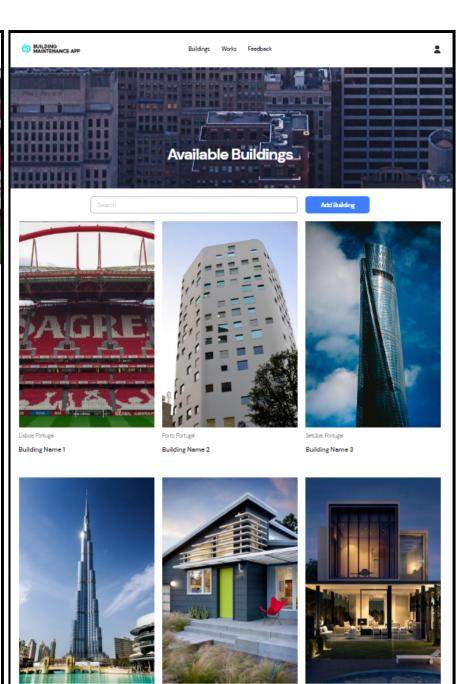
Bootstrap











Braga, Portugal

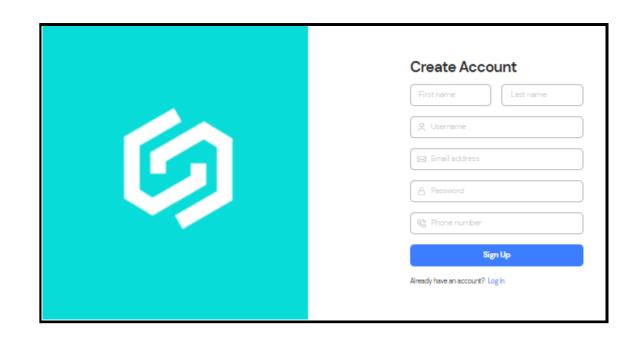
Building Name 5

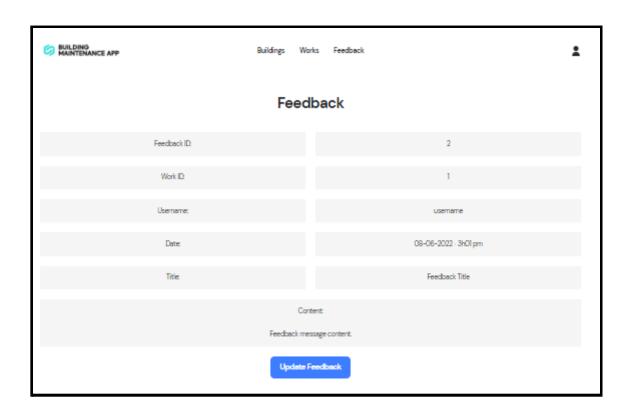
Faro, Portugal

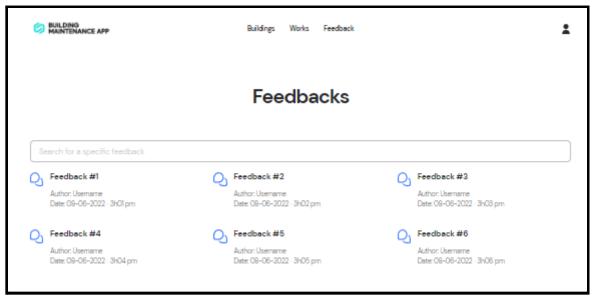
Building Name 4

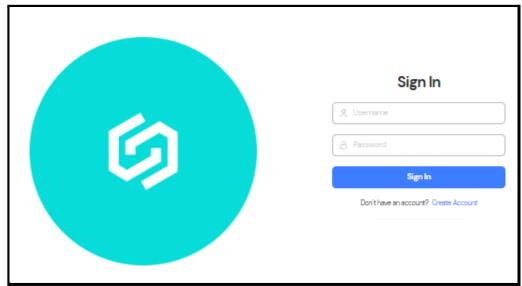
Evora, Portugal

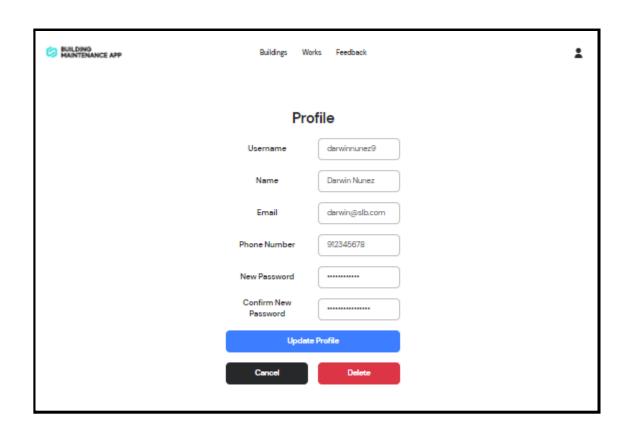
Building Name 6

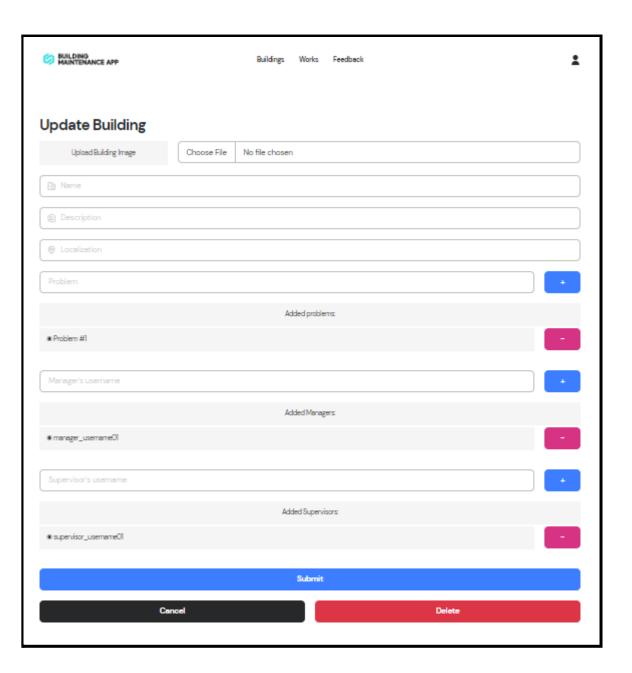


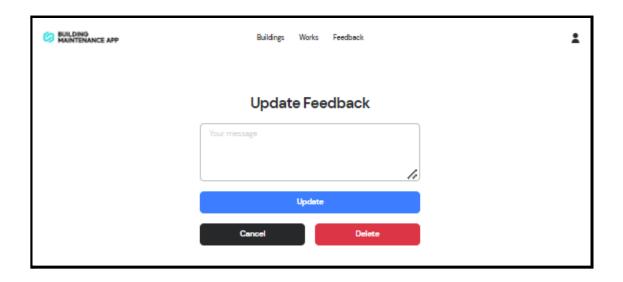


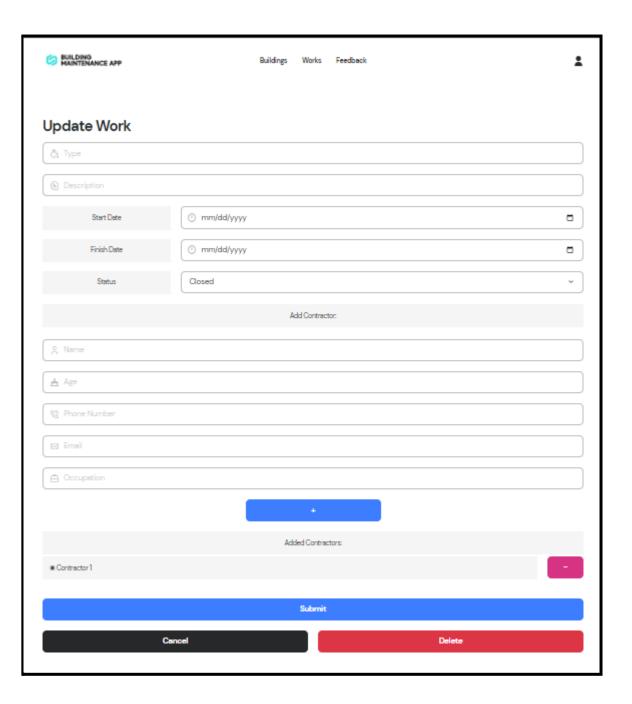


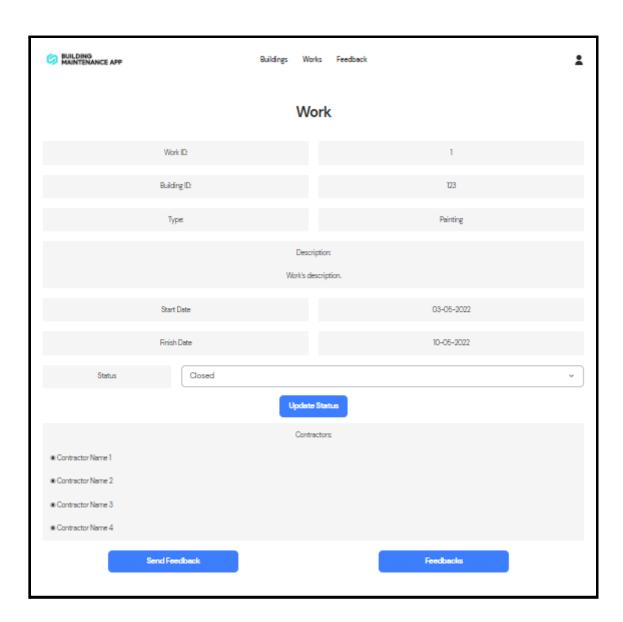


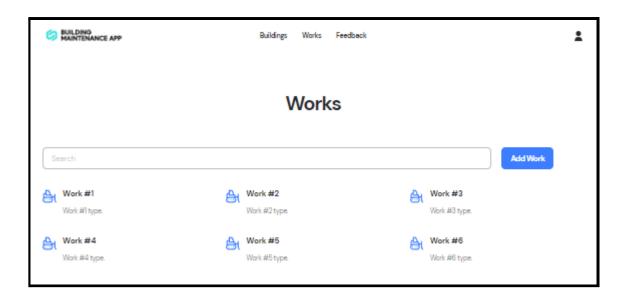




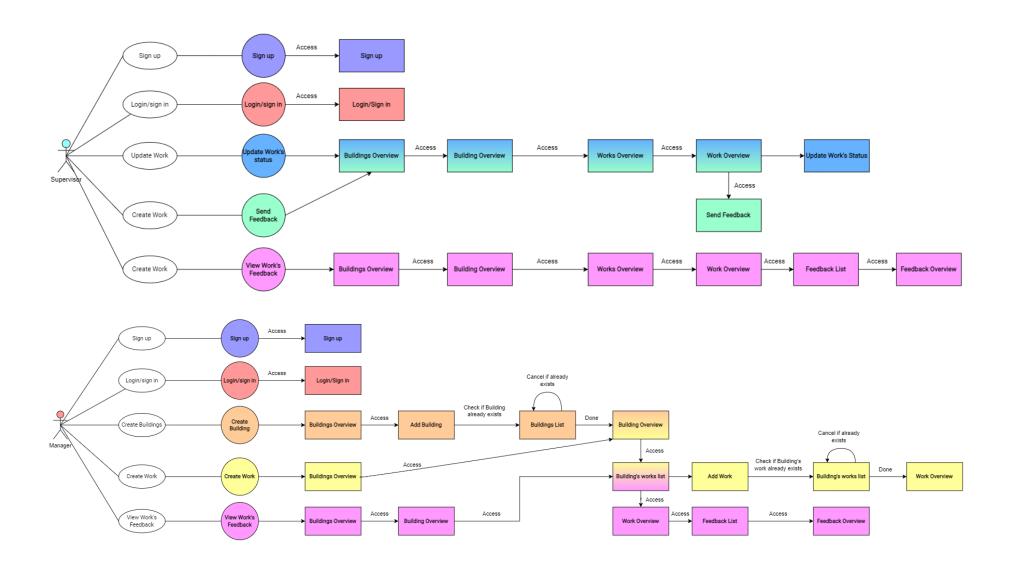








Story Spaces



App Development Canvas



Concept

Aplicação para monitorização de trabalhos de construção e manutenção de edifícios.



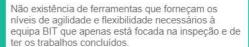
Characteristics

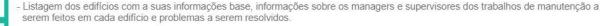
Identifying features of the app



Problem

Which problem are you solving and why is it urgent





- Listagem dos trabalhos específicos a serem realizados num determinado edifício com informações importantes como datas, descrições, estado e contratados.

- Espaços para adição, edição e remoção de edifícios e/ou trabalhos de manutenção.

Espaço para ver e dar feedback sobre o trabalho.

Target group

The audience you aim to target

Equipas de inspeção e supervisão de trabalhos em edificios (BIT).

Discards

Which apps or solutions will users leave behind for yours

Outras ferramentas de gestão de projetos, que não dão tanta agilidade e flexibilidade como esta.

Deixa de ser necessário à BIT, estar constantemente a inspecionar e supervisionar os trabalhos de forma presencial.

偷

Factors that will help you succeed





- Pouco custo financeiro, temporal e humano para a realização da aplicação.

Success factors



Core functions

Gore features of your app and their prioritization



- Serviço de edifícios.
- Serviço de trabalhos de manutenção.
- Serviço de gestão de utilizadores.
- Serviço de feedback.

Platforms

REST API, NoSQL, Mobile, Web



Vision

What would you like to accomplish within a certain timeframe



Uma grande afluência à app por parte da BIT ao fim de um ano.

Languages

Português e Inglês





Diagrams

