



RadiantIQ



UNIVERSITÀ  
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## D2 - RadiantIQ Agile Methodology

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## Acronyms

Acronym	Description
FRS	Functional Requirement Specification
FSD	Functional Specification Document
FLOSS	Free/Libre Open Source Software
LLMs	Large Language Models
UML	Unified Modeling Language
UniTn	University of Trento



# 1 Introduction



## 2 Architecture description



### 3 Product backlog

Priority's (prio) value is decreasing, so the more important jobs have the lowest priority.

Estimation (est) is a numeric value attributed to the time estimation for the job completion. It's Higher value is 12, while the lowest is 0.





### 3.1 First definition of backlog item

Id	Name	User story	How to Demo	Prio	Est
1	Login	As a registered user I want to log into the platform so that I can access my roles privileges	Given that I'm at the home page, when I press on the login button and fill in my correct credentials I should get logged in	1	8
2	Logout	As a registered user I want to log out of the platform to prevent anyone to use my roles' privileges without my supervision	Given that I'm logged in, when I press on the logout button I should immediately be logged out and redirected to the home page	1	5
3	Credential recovery	As a registered user I want to be able to recover my credentials if I lose or forget them, in order to avoid losing my account over a single problem	Given that I'm trying to log in, I should be able to press the recovery button (near the credentials insertion boxes) and receive new credentials on the previously decided recovery channel	3	8
4	Register Account	As an unregistered user I want to register to the platform to keep track of my progresses and receive one or more roles	Given that I'm at the home page, when I press on the register button and fill in all the required credentials and info, my account should be created (with the required roles) and I should be automatically logged in	1	8
5	Delete account	As a registered user I want to be able to delete my account to delete my info from the platform	Given that I'm logged in, when I push the delete account button (in the options page) and confirm my choice (by filling in my password and pushing the according button), my account will be deleted along with all the related data	1	4
6	Modify core settings	As a registered user I want to be able to modify my core settings (username, password, recovery channel and personal info) in order to be able to change my mind after registration	Given that I'm in the core option page, when I push the modify button I'll be able to refill each field in the core option list and, after pushing the save button, the changes will be saved	2	4



<b>Id</b>	<b>Name</b>	<b>User story</b>	<b>How to Demo</b>	<b>Prio</b>	<b>Est</b>
7	Modify secondary settings	As a registered user I want to be able to change my secondary settings (platform color theme, dashboard layout, text font and dimension, colorblind mode)	Given that I'm in the secondary option page, when I push the modify button I'll be able to refill each field in the secondary option list and, after pushing the save button, the changes will be saved	4	4
8	Modify AI theming	As a student, AI supervisor or tech support I want to be able to modify the prompt for AI generated theming, in order to customize my experience (or test if the AI is working correctly)	Given that I'm on the dashboard page, when I push the modify theming button and fill in the new prompt, the theming for each exercise will change in accord with the new prompt	4	8
9	Access profile and statistics	As a registered user I want to be able to access my profile, in order to see if the saved info are correct and display all my progress on the platform	Given that I'm on the home page and I'm logged in, when I press on the button labeled with my username, I'll be redirected to the profile page	2	4
10	Change user role	As a registered user I want to be able to change the list of roles assigned to my account, in order to dynamically align with the list of actions I need to accomplish	Given that I'm at the profile page, when I push the manage roles button I will be redirected to the roles management page and I'll be able to add and remove roles	1	6
10.1	Add role	As a registered user I want to remove a role from my account, in order to remove access from useless actions	Given that I'm at the roles management page, when I press on a role and push the remove button, that role will be removed from the list and my account will not be associated with that role anymore	/	/
10.2	Remove role	As a registered user I want to add a role to my account, in order to have access to more actions	Given that I'm at the roles management page, when I push the add button and fill in all the required info, the required role will be added to the list and my account	/	/



<b>Id</b>	<b>Name</b>	<b>User story</b>	<b>How to Demo</b>	<b>Prio</b>	<b>Est</b>
11	Create course	As a publisher I want to be able to create new courses, in order to share my knowledge with the whole platform	Given that I'm on the dashboard page, when i press the add course button, I will be redirected to the course creation page. There I will be able to insert documents, videos, audio files, exercises and minigames. After I'll be finished and the save button is pushed, the course will be published on the platform	2	9
12	Modify course	As a professor, publisher, AI supervisor, course supervisor or system admins I want to modify an existing course (add, remove or modify content), in order to make it comply to what I need	Given that I'm on a course page (and have the right to modify it), when I press the modify button I will be redirected to the course creation page, there I will be able to add, modify or remove documents, videos, audio files, exercises and minigames. After I'll be finished and the save button is pushed, the course will be modified (each class based on the course will not be modified and keep the old version of the course)	2	6
13	Delete course	As a publisher, course supervisor or system admin I want to be able to delete an existing course, in order to remove from the platform unwanted info	Given that I'm on a course page (and have the right to delete it), when I push the delete button and confirm my choice, the course will be deleted from the platform (each class based on the course will be also deleted)	3	5
14	Archive course	As a publisher, course supervisor or system admin I want to be able to archive an existing course, in order to remove from the platform unwanted info, but keep existing classes alive	Given that I'm on a course page (and have the right to archive it), when I push the archive button and confirm my choice, the course will be archived and made invisible from the platform (each class based on the course will stay untouched)	5	4



<b>Id</b>	<b>Name</b>	<b>User story</b>	<b>How to Demo</b>	<b>Prio</b>	<b>Est</b>
15	View course	As a user I want to see any course and interact with its content	Given that I'm at the dashboard page, when I press on a course I will be redirected to its page. There the documents and reviews will be displayed, the video and audio files will be accessible, I'll be able to complete the exercises and play the minigames	3	3
16	Review course	As a registered user I want to be able to add a textual and numerical review to any course, in order to express my opinion on the quality of the selected course	Given that I'm on the course page, when I press the add review button, I'll be able to write a message and select a score among a list of options (integers from 0 to 10). After I'm finished and press the publish button, my review will be saved and displayed	5	6
17	Create class	As a professor I want to create an enclosed environment for my students, in order to keep track of their learning progress	Given that I'm on the dashboard page, when I press the add class button, I will be redirected to the class creation page. There I will be able to select the course I want to base my class on. Moreover I'll be able to insert a list of students' usernames, which will have access to the class. After I'll be finished and the save button is pushed, the class will be published on the platform	4	8
18	Modify class	As a professor or system admin I want to be able to change or update the course I'm basing my class on; in addition I want to modify the list of students, in order to have a dynamic experience with my students	Given that I'm at the selected class page, when I press the modify option I'll be redirected to the class creation page. There I will be able to change the course or update it to the newest version. Moreover I'll be able to modify the student list, by adding or removing usernames. After I'll be finished and the save button is pushed, the class will be updated	4	6



<b>Id</b>	<b>Name</b>	<b>User story</b>	<b>How to Demo</b>	<b>Prio</b>	<b>Est</b>
19	Terminate class	As a professor or system admin I want to fully erase a class and all its data from the platform, in order to remove old, unwanted or unused classes	Given that I'm at the class page, when I press the terminate button and confirm my choice, the class, all its data and statistics will be deleted	5	6
20	Archive class	As a professor or system admin I want to remove a class from the platform, but keep its statistics accessible, in order to still keep track of completed classes	Given that I'm at the class page, when I press the archive button and confirm my choice, the class will not be interactable anymore apart from the statistics	5	7
21	View class public info	As a registered user I want to be able to see the existing classes on the platform, in order to be able to ask for access	Given that I'm on the platform, every published class is listed and, by pressing on one of them, its owner, title and core course are displayed	4	4
22	Display class	As a student or professor I want to access the material of the course the class is based on, in order to interact with the class	Given that I'm on the dashboard page and am allowed to enter the class, when I press on it I'll be redirected to its page. There all the course components will be displayed and interactable. Moreover, I'll be able to see the username of every attendee. Furthermore I can see my statistics regarding the class' activities (as a professor I can see all students' statistics and the list of join requests)	4	5
23	Join class	As a student I want to ask a professor to join its class, in order to be part of that community	Given that I'm at the dashboard page, when I press on a class, the join button will be displayed. When I press that button my username will be add to the join request list of the class	4	4
24	Accept student	As a professor I want to be able to accept new students' request, in order to expand my class	Given that I'm on the class page, I can press the accept button next to the username of each username in the join list. After I press that, the student will be add to the students' list	4	5



<b>Id</b>	<b>Name</b>	<b>User story</b>	<b>How to Demo</b>	<b>Prio</b>	<b>Est</b>
25	Leave class	As a student I want to be able to leave a class, in order not to be stuck in an undesired class	Given that I'm in the class page, when I press on the leave button I'll be automatically deleted from the students' list. Moreover the professor will not be able to add my username to the list, unless I request to join	4	5
26	Publish article	As a publisher I want to be able to create new articles and decide whom to share them with, in order to share some smaller fragments of knowledge	Given that I'm on the dashboard page, when I press the add article button I'll be redirected to the article creation page. There I will be able to insert one document and/or one audio/video file. Moreover I can select a list of users who'll be able to see the article or just make it public. After I'm done and the save button is pushed the new article will be published on the platform	2	6
27	Modify article	As a publisher, course supervisor or system admin I want to be able to modify an existing article in order to make it better	Given that I'm on the article page, when I press the modify button I'll be redirected to the article creation page. There I'll be able to modify or substitute the content of the materials on the article. Moreover I'll be able to modify the visibility of the article and the users who can see it. After I'll be finished and the save button is pushed, the article will be modified	2	5
28	Delete article	As a publisher, course supervisor or system admin I want to be able to delete an article if it's incorrect or obsolete	When I'm on the article page and I press the delete button, after confirming my choice, the article will be removed entirely from the platform	3	5



<b>Id</b>	<b>Name</b>	<b>User story</b>	<b>How to Demo</b>	<b>Prio</b>	<b>Est</b>
29	Archive article	As a publisher, course supervisor or system admin I want to be able to archive the article previously published, in order to review it before remake it public	Given that I'm in the article page, when I press the archive button and confirm my choice, the article will become invisible to everyone apart from the owner	5	6
30	View article	As a registered user I want to be able to access the info published on the article, in order to acculturate myself	Given that I'm on the dashboard page, when I press on a visible article I'm redirected to its page. There I'll be able to read the document, see the video and/or watch the video	2	3
31	Review article	As a registered user I want to be able to publish a comment and/or a numeric value regarding an article, in order to express my opinion	Given that I'm in the article page, when I press the add review button I'll be able to write a message and select a score among a list of options (integers from 0 to 10). After I'm finished and press the publish button, my review will be saved and displayed	5	6
32	Create minigame	As a developer I want to be able to create a minigame, in order to satisfy the request of a publisher	Given that I'm on the dashboard page, when I press on the create minigame button I'll be redirected to the game creation engine. There the engine will allow me to model the aesthetic of the game, its mechanics, rules and all other components. After I'm done and the publish button is pressed, the minigame is published on the platform in the dashboard page	6	12
33	Modify minigame	As a developer, course supervisor, system admin or tech support I want to be able to modify an existing minigame to better it	Given that I'm on the game page, when I press the modify button I'll be redirected to the game creation engine. There I'll be able to modify every aspect of the minigame and, after I'll press the save button, all iterations of the minigame on the platform will be updated	6	11



<b>Id</b>	<b>Name</b>	<b>User story</b>	<b>How to Demo</b>	<b>Prio</b>	<b>Est</b>
34	Delete minigame	As a developer, course supervisor or system admin I want to be able to delete a minigame and all its iteration on the platform	Given that I'm on the minigame page, when I press the delete button and confirm my choice, the minigame is deleted from the platform both from the dashboard and all the courses containing it	7	6
35	Archive minigame	As a developer, course supervisor or system admin I want to be able to archive a minigame, in order to prevent further use of it in new courses, but not modify the existing ones	Given that I'm on the minigame page, when I press the archive button and confirm my choice, the minigame is deleted from the dashboard and cannot be assigned to any new course	7	7
36	Add minigame from dev	As a developer I want to be able to add the minigame I created to the required course, in order to complete my work	Given that I'm in the game page, when I press the add to course button the list of courses I have access to will be displayed. When I press on one of them and confirm the choice, the game will be add to the selected course	6	5
37	Add minigame from observer	As a publisher, course supervisor or system admin I want to be able to add a minigame to a specific course, in order to make such course more interactive	Given that I'm at the course page, when I press the add minigame button a list of available minigames is opened. When I press on one of them and confirm my choice, such minigame is add to the course	6	5
38	View and play minigame	As a user I want to be able to play the available minigames, both on the dashboard and the courses, in order to learn by doing	Given that I'm on the dashboard or on a course page, when I press on the name of the minigame I'll be redirected to its page. There I'll be able to interact and play with the game as intended by the creator	6	10





Id	Name	User story	How to Demo	Prio	Est
39	Pay developer	As a publisher I want to be able to pay the developer I hired when they complete the minigame I commissioned, in order to delegate that part of the course creation	Given that I'm at the dashboard page, when I press on the pay button I'll be redirected to the payment page. There I'll be able to see a list of developers and select the person I want to pay. After that I'll select the payment method I want to use and follow the iter associated with the external method selected	6	7
40	Use tech support chat	As a registered user I want to internally discuss a problem of the platform, in order to solve them and better the platform experience	Given that I'm on any page of the platform, when I press the tech chat button, the chat window will be displayed on top of the page I'm in. As a normal user I'll be able to send messages to the tech supports. As a tech support I'll be able to respond to each message (coming from different channels depending on the sender) to help solve the problems	5	9
41	Use dev chat	As a publisher or developer I want to internally talk about the creation of a minigame, in order to have a specialized person develop them	Given that I'm on the dashboard page, when I press on the dev chat button I'll be redirected to the chat page. There I'll have a channel for each user I have talked to and a list of existing publishers and developers to select and start a chat with	6	9
42	Search material	As a user I want to be able to search for the info I want, in order to find only the stuff I'm interested in	Given that I'm on the dashboard page, when I press on the search button I'll be able to insert the words and select the tags I want to search with. After that the dashboard's content will be re-ordered based on accordance with the required parameters	2	7
43	Remove review	As a system admin I want to be able to remove reviews of contents, in order to moderate the environment and avoid toxic behaviours	Given that I'm on any reviewable content, when I press on the delete button next to a review and confirm my choice, such review will be eliminated from the platform	5	5

## 3.2 Second definition of backlog item

### 3.2.1 Login

- ID: 1
- Title: Login
- User story: As a registered user I want to log into the platform so that I can access my roles' privileges
- Acceptance criteria: The user is able to access their account with their credentials
- Priority: 1
- Estimate: 8
- Status: to-do
- Sprint assignment: S2
- Theme: Account management
- Notes:

### 3.2.2 Logout

- ID: 2
- Title: Logout
- User story: As a registered user I want to log out of the platform to prevent anyone to use my roles' privileges without my supervision
- Acceptance criteria: The user is able to return to anonymous mode after being logged in
- Priority: 1
- Estimate: 5
- Status: to-do
- Sprint assignment: S2
- Theme: Account management
- Notes:

### 3.2.3 Credential recovery

- ID: 3
- Title: Credential recovery
- User story: As a registered user I want to be able to recover my credentials if I lose or forget them, in order to avoid losing my account over a single problem
- Acceptance criteria: The new credentials can be shipped through every recovery channel with a sufficiently small time delay
- Priority: 3
- Estimate: 8
- Status: to-do



- Sprint assignment: S4 or later
- Theme: Account management
- Notes:

### 3.2.4 Register Account

- ID: 4
- Title: Register Account
- User story: As an unregistered user I want to register to the platform to keep track of my progresses and receive one or more roles
- Acceptance criteria: Any new account is correctly registered in the DB with its associated roles
- Priority: 1
- Estimate: 8
- Status: to-do
- Sprint assignment: S2
- Theme: Account management
- Notes:

### 3.2.5 Delete account

- ID: 5
- Title: Delete account
- User story: As a registered user I want to be able to delete my account to delete my info from the platform
- Acceptance criteria: All the info regarding any account can be completely removed from the DB
- Priority: 1
- Estimate: 4
- Status: to-do
- Sprint assignment: S2
- Theme: Account management
- Notes:

### 3.2.6 Modify core settings

- ID: 6
- Title: Modify core settings
- User story: As a registered user I want to be able to modify my core settings (username, password, recovery channel and personal info) in order to be able to change my mind after registration
- Acceptance criteria: The info in the DB can be easily be modified only be the owner of a certain account



- Priority: 2
- Estimate: 4
- Status: to-do
- Sprint assignment: S3
- Theme: Account management
- Notes:

### 3.2.7 Modify secondary settings

- ID: 7
- Title: Modify secondary settings
- User story: As a registered user I want to be able to change my secondary settings (platform color theme, dashboard layout, text font and dimension, colorblind mode)
- Acceptance criteria: The platform gets modified in accordance with the new info in a relatively short amount of time
- Priority: 4
- Estimate: 4
- Status: to-do
- Sprint assignment: S4 or later
- Theme: Account management
- Notes:

### 3.2.8 Modify AI theming

- ID: 8
- Title: Modify AI theming
- User story: As a student, AI supervisor or tech support I want to be able to modify the prompt for AI generated theming, in order to customize my experience (or test if the AI is working correctly)
- Acceptance criteria: The exercises theming is modified in accordance with the new prompt in an acceptable amount of time
- Priority: 4
- Estimate: 8
- Status: to-do
- Sprint assignment: S4 or later
- Theme: Account management
- Notes:



### 3.2.9 Access profile and statistics

- ID: 9
- Title: Access profile and statistics
- User story: As a registered user I want to be able to access my profile, in order to see if the saved info are correct and display all my progress on the platform
- Acceptance criteria: The user info can be displayed whenever the user wants easily
- Priority: 2
- Estimate: 4
- Status: to-do
- Sprint assignment: S2/S3
- Theme: Account management
- Notes:

### 3.2.10 Change user role

- ID: 10
- Title: Change user role
- User story: As a registered user I want to be able to change the list of roles assigned to my account, in order to dynamically align with the list of actions I need to accomplish
- Acceptance criteria: The roles can be changed (add or remove) with the correct security and accessibility
- Priority: 1
- Estimate: 6
- Status: to-do
- Sprint assignment: S2
- Theme: Account management
- Notes:

### 3.2.11 Create course

- ID: 11
- Title: Create course
- User story: As a publisher I want to be able to create new courses, in order to share my knowledge with the whole platform
- Acceptance criteria: A new course can be modeled and published how and when a publisher wants
- Priority: 2
- Estimate: 9
- Status: to-do
- Sprint assignment: S3
- Theme: Course management
- Notes:



### 3.2.12 Modify course

- ID: 12
- Title: Modify course
- User story: As a professor, publisher, AI supervisor, course supervisor or system admins I want to modify an existing course (add, remove or modify content), in order to make it comply to what I need
- Acceptance criteria: The user is able to modify the content of a course they have the right to whenever they want
- Priority: 2
- Estimate: 6
- Status: to-do
- Sprint assignment: S3
- Theme: Course management
- Notes:

### 3.2.13 Delete course

- ID: 13
- Title: Delete course
- User story: As a publisher, course supervisor or system admin I want to be able to delete an existing course, in order to remove from the platform unwanted info
- Acceptance criteria: Every trace of the selected course is removed from the DB
- Priority: 3
- Estimate: 5
- Status: to-do
- Sprint assignment: S3/S4
- Theme: Course management
- Notes:

### 3.2.14 Archive course

- ID: 14
- Title: Archive course
- User story: As a publisher, course supervisor or system admin I want to be able to archive an existing course, in order to remove from the platform unwanted info, but keep existing classes alive
- Acceptance criteria: The course is not accessible anymore from the platform apart for the classes containing it
- Priority: 5
- Estimate: 4
- Status: to-do



- Sprint assignment: S5 or later
- Theme: Course management
- Notes:

### 3.2.15 View course

- ID: 15
- Title: View course
- User story: As a user I want to see any course and interact with its content
- Acceptance criteria: Any public course is accessible from the platform and its content can be interacted without bugs
- Priority: 3
- Estimate: 3
- Status: to-do
- Sprint assignment: S3
- Theme: Course management
- Notes:

### 3.2.16 Review course

- ID: 16
- Title: Review course
- User story: As a registered user I want to be able to add a textual and numerical review to any course, in order to express my opinion on the quality of the selected course
- Acceptance criteria: The reviews on courses can be published and visualized easily
- Priority: 5
- Estimate: 6
- Status: to-do
- Sprint assignment: S5 or later
- Theme: Course management
- Notes:

### 3.2.17 Create class

- ID: 17
- Title: Create class
- User story: As a professor I want to create an enclosed environment for my students, in order to keep track of their learning progress
- Acceptance criteria: A new class environment can easily be based on a course and published for the given student set to see



- Priority: 4
- Estimate: 8
- Status: to-do
- Sprint assignment: S4 or later
- Theme: Class management
- Notes:

### 3.2.18 Modify class

- ID: 18
- Title: Modify class
- User story: As a professor or system admin I want to be able to change or update the course I'm basing my class on; in addition I want to modify the list of students, in order to have a dynamic experience with my students
- Acceptance criteria: The class' course and list of students can be modified whenever the people with the right to want and the modification is saved in the DB in a short time
- Priority: 4
- Estimate: 6
- Status: to-do
- Sprint assignment: S4 or later
- Theme: Class management
- Notes:

### 3.2.19 Terminate class

- ID: 19
- Title: Terminate class
- User story: As a professor or system admin I want to fully erase a class and all its data from the platform, in order to remove old, unwanted or unused classes
- Acceptance criteria: The class and all its data are entirely removed from the platform and DB
- Priority: 5
- Estimate: 6
- Status: to-do
- Sprint assignment: S5 or later
- Theme: Class management
- Notes:





### 3.2.20 Archive class

- ID: 20
- Title: Archive class
- User story: As a professor or system admin I want to remove a class from the platform, but keep its statistics accessible, in order to still keep track of completed classes
- Acceptance criteria: Classes and their data cannot be accessed anymore from the platform apart from the classes' statistics
- Priority: 5
- Estimate: 7
- Status: to-do
- Sprint assignment: S5 or later
- Theme: Class management
- Notes:

### 3.2.21 View class public info

- ID: 21
- Title: View class public info
- User story: As a registered user I want to be able to see the existing classes on the platform, in order to be able to ask for access
- Acceptance criteria: The classes' public info are displayed every time a registered user selects a public class entry
- Priority: 4
- Estimate: 4
- Status: to-do
- Sprint assignment: S4 or later
- Theme: Class management
- Notes:

### 3.2.22 Display class

- ID: 22
- Title: Display class
- User story: As a student or professor I want to access the material of the course the class is based on, in order to interact with the class
- Acceptance criteria: The class' attendees can access all the material contained in it and interact with the games/exercises
- Priority: 4
- Estimate: 5
- Status: to-do



- Sprint assignment: S4 or later
- Theme: Class management
- Notes:

### 3.2.23 Join class

- ID: 23
- Title: Join class
- User story: As a student I want to ask a professor to join its class, in order to be part of that community
- Acceptance criteria: The name of the student is add to the class' list of join request on the class and such list is updated in a short time
- Priority: 4
- Estimate: 4
- Status: to-do
- Sprint assignment: S4 or later
- Theme: Class management
- Notes:

### 3.2.24 Accept student

- ID: 24
- Title: Accept student
- User story: As a professor I want to be able to accept new students' request, in order to expand my class
- Acceptance criteria: The selected student is add to the class' list of students, such list is updated and the student is granted access to the class' resources
- Priority: 4
- Estimate: 5
- Status: to-do
- Sprint assignment: S4 or later
- Theme: Class management
- Notes:



### 3.2.25 Leave class

- ID: 25
- Title: Leave class
- User story: As a student I want to be able to leave a class, in order not to be stuck in an undesired class
- Acceptance criteria: The student leaves a class and, if the professor tries to re-invite the student, they are not add to the join list for the left class
- Priority: 4
- Estimate: 5
- Status: to-do
- Sprint assignment: S4 or later
- Theme: Class management
- Notes:

### 3.2.26 Publish article

- ID: 26
- Title: Publish article
- User story: As a publisher I want to be able to create new articles and decide whom to share them with, in order to share some smaller fragments of knowledge
- Acceptance criteria: the article is modeled and published however the publisher wants and is accessible to whomever they want
- Priority: 2
- Estimate: 6
- Status: to-do
- Sprint assignment: S2/S3
- Theme: Article management
- Notes:

### 3.2.27 Modify article

- ID: 27
- Title: Modify article
- User story: As a publisher, course supervisor or system admin I want to be able to modify an existing article in order to make it better
- Acceptance criteria: Every modification to the article's content or visibility is saved and applied in a short range of time
- Priority: 2
- Estimate: 5
- Status: to-do



- Sprint assignment: S2/S3
- Theme: Article management
- Notes:

### 3.2.28 Delete article

- ID: 28
- Title: Delete article
- User story: As a publisher, course supervisor or system admin I want to be able to delete an article if it's incorrect or obsolete
- Acceptance criteria: The article is entirely removed from the platform and DB
- Priority: 3
- Estimate: 5
- Status: to-do
- Sprint assignment: S3 or later
- Theme: Article management
- Notes:

### 3.2.29 Archive article

- ID: 29
- Title: Archive article
- User story: As a publisher, course supervisor or system admin I want to be able to archive the article previously published, in order to review it before remake it public
- Acceptance criteria: The article becomes inaccessible for anyone other than its owner
- Priority: 5
- Estimate: 6
- Status: to-do
- Sprint assignment: S5 or later
- Theme: Article management
- Notes:

### 3.2.30 View article

- ID: 30
- Title: View article
- User story: As a registered user I want to be able to access the info published on the article, in order to acculturate myself
- Acceptance criteria: The article page is accessible by everyone on the platform
- Priority: 2



- Estimate: 3
- Status: to-do
- Sprint assignment: S2/S3
- Theme: Article management
- Notes:

### 3.2.31 Review article

- ID: 31
- Title: Review article
- User story: As a registered user I want to be able to publish a comment and/or a numeric value regarding an article, in order to express my opinion
- Acceptance criteria: The user's review is saved and published on the platform for anyone to see
- Priority: 5
- Estimate: 6
- Status: to-do
- Sprint assignment: S5 or later
- Theme: Article management
- Notes:

### 3.2.32 Create minigame

- ID: 32
- Title: Create minigame
- User story: As a developer I want to be able to create a minigame, in order to satisfy the request of a publisher
- Acceptance criteria: The minigame development environment is accessible and functional to the developer. Moreover the games created are functional and bug-less
- Priority: 6
- Estimate: 12
- Status: to-do
- Sprint assignment: S6 or later
- Theme: Minigame management
- Notes:



### 3.2.33 Modify minigame

- ID: 33
- Title: Modify minigame
- User story: As a developer, course supervisor, system admin or tech support I want to be able to modify an existing minigame to better it
- Acceptance criteria: The modification through the development environment is saved on the entire platform
- Priority: 6
- Estimate: 11
- Status: to-do
- Sprint assignment: S6 or later
- Theme: Minigame management
- Notes:

### 3.2.34 Delete minigame

- ID: 34
- Title: Delete minigame
- User story: As a developer, course supervisor or system admin I want to be able to delete a minigame and all its iteration on the platform
- Acceptance criteria: All the minigame's presence is erased from the entire platform and DB
- Priority: 7
- Estimate: 6
- Status: to-do
- Sprint assignment: S7 or later
- Theme: Minigame management
- Notes:

### 3.2.35 Archive minigame

- ID: 35
- Title: Archive minigame
- User story: As a developer, course supervisor or system admin I want to be able to archive a minigame, in order to prevent further use of it in new courses, but not modify the existing ones
- Acceptance criteria: The minigame is inaccessible apart through the courses already containing it
- Priority: 7
- Estimate: 7
- Status: to-do
- Sprint assignment: S7 or later
- Theme: Minigame management
- Notes:



### 3.2.36 Add minigame from dev

- ID: 36
- Title: Add minigame from dev
- User story: As a developer I want to be able to add the minigame I created to the required course, in order to complete my work
- Acceptance criteria: The minigame is properly linked to the course page and when a user presses on it the page opens correctly
- Priority: 6
- Estimate: 5
- Status: to-do
- Sprint assignment: S6 or later
- Theme: Minigame management
- Notes:

### 3.2.37 Add minigame from observer

- ID: 37
- Title: Add minigame from observer
- User story: As a publisher, course supervisor or system admin I want to be able to add a minigame to a specific course, in order to make such course more interactive
- Acceptance criteria: The minigame is properly linked to the course page and when a user presses on it the page opens correctly
- Priority: 6
- Estimate: 5
- Status: to-do
- Sprint assignment: S6 or later
- Theme: Minigame management
- Notes:

### 3.2.38 View and play minigame

- ID: 38
- Title: View and play minigame
- User story: As a user I want to be able to play the available minigames, both on the dashboard and the courses, in order to learn by doing
- Acceptance criteria: The minigame is correctly visualized and works properly
- Priority: 6
- Estimate: 10
- Status: to-do
- Sprint assignment: S6 or later
- Theme: Minigame management
- Notes:



### 3.2.39 Pay developer

- ID: 39
- Title: Pay developer
- User story: As a publisher I want to be able to pay the developer I hired when they complete the minigame I commissioned, in order to delegate that part of the course creation
- Acceptance criteria: The external payment system works properly to pay the developers
- Priority: 6
- Estimate: 7
- Status: to-do
- Sprint assignment: S6 or later
- Theme: Minigame management
- Notes:

### 3.2.40 Use tech support chat

- ID: 40
- Title: Use tech support chat
- User story: As a registered user I want to internally discuss a problem of the platform, in order to solve them and better the platform experience
- Acceptance criteria: The chat system works properly and can be relied upon to report bugs
- Priority: 5
- Estimate: 9
- Status: to-do
- Sprint assignment: S5 or later
- Theme: Chat systems
- Notes:

### 3.2.41 Use dev chat

- ID: 41
- Title: Use dev chat
- User story: As a publisher or developer I want to internally talk about the creation of a minigame, in order to have a specialized person develop them
- Acceptance criteria: The chat system works properly and can be relied upon to discuss the development of a minigame
- Priority: 6
- Estimate: 9
- Status: to-do
- Sprint assignment: S6 or later
- Theme: Chat systems
- Notes:





### 3.2.42 Search material

- ID: 42
- Title: Search material
- User story: As a user I want to be able to search for the info I want, in order to find only the stuff I'm interested in
- Acceptance criteria: The search engine filters and orders elements correctly on the dashboard
- Priority: 2
- Estimate: 7
- Status: to-do
- Sprint assignment: S2/S3
- Theme: General purpose
- Notes:

### 3.2.43 Remove review

- ID: 43
- Title: Remove review
- User story: As a system admin I want to be able to remove reviews of contents, in order to moderate the environment and avoid toxic behaviours
- Acceptance criteria: The reviews are entirely removed from the platform and DB
- Priority: 5
- Estimate: 5
- Status: to-do
- Sprint assignment: S5 or later
- Theme: General purpose
- Notes:



## 4 Definition of tests



## 5 Git strategy



## 6 Definition of done



## 7 How-to demo



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## 8 Sprint 1



## 9 Conclusion