



## **REQUIREMENTS GATHERING**

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## DOCUMENT REVIEW HISTORY

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## IDENTIFICATION OF THE PEOPLE INVOLVED

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## **BUSINESS PROBLEM**

Technologies can be determinants for reducing educational inequality in Brazil, as they could provide more access to those who can't afford to finance presential studies. In this way, the lowest social classes of Brazil can and should benefit from teaching technologies, which are able to promote information access in a very fast, effective and inexpensive way.

Thinking about that and more specifically about the cooperatives' waste pickers reality in Brasília, a website and a mobile app will be developed with educational courses for these public. The requirements on that document are only for the development of the app's first version, more specifically the first version of a personal finances' course.

## **FUNCTIONAL REQUIREMENTS**

**FR01** – Make videos available of up to 1 min with subtitles

**FR02** – Validate user answers in the exercises

**FR03** – Receive feedback messages from the user

**FR04** – Allow texts of up to 350 characters

**FR05** – Receive doubts messages from the user about specific module

**FR06** – Allow that the user request a certificate at the end of the course

**FR07** – Create a certificate with user's registration data

**FR08** - Provide space on the app for calculate user's financial health

**FR09** - Allow the user to enter their daily earnings and expenses in the space provided

**FR10** - Calculate the difference between the user's earnings and expenses according to the values entered



## SUPPLEMENTARY REQUIREMENTS

**SR01** - Provide fixing exercise at the end of each topic

**SR02** - Request user feedback at the end of each module

**SR03** - Provide frequently asked question tab (How to download the modules?

How long does it take to end the course? How can I issue the course certificate?)

**SR04** - Show a trophy image and the phrase “Congratulations! You’ve finished the XXX module!” at the end of each module

**SR05** - Offer the user to issue a certificate at the end of the course

## REQUIREMENTS DESCRIPTION

<b>FR01</b>	<b>Make videos available of up to 1 min with subtitles</b>
<b>Description:</b>	The user fills in the web application the information about the video to be uploaded. The system will validate the video time and if there are subtitles, then will upload the video.
<b>User:</b>	Contents creator
<b>Input information:</b>	Informations and video upload
<b>Exit information:</b>	Video successfully added
<b>Logical constraint:</b>	If the video exceed 1 minute, do not accept the upload
<b>Technological constraint:</b>	
<b>FR02</b>	<b>Validate user answers in the exercises</b>
<b>Description:</b>	The user will answer the objective questions in the exercise about the module subject. The system should compare with the right answer given by the content creator and inform if It is right or wrong, correcting if there is wrong
<b>User:</b>	Waste pickers



<b>Input information:</b>	User's answer to the exercise
<b>Exit information:</b>	"Right answer" ou "Wrong answer, the right answer is: ..."
<b>Logical constraint:</b>	After the system compares the answers, if it is right inform "Right answer", if it is wrong return with "Wrong answer, the right answer is: ..."
<b>Technological constraint:</b>	
<b>FR03</b>	<b><u>Receive feedback messages from the user</u></b>
<b>Description:</b>	In the end of each module the application will request feedback to the user, about learnership, contents etc. The space of feedback solicitation will be in the last page of each module.
<b>User:</b>	Waste picker
<b>Input information:</b>	User inserts the feedback in the space
<b>Exit information:</b>	Feedback will be sent to the application support
<b>Logical constraint:</b>	If the user do not insert the feedback, allow finish the module
<b>Technological constraint:</b>	
<b>FR04</b>	<b><u>Allow texts of up to 350 characters</u></b>
<b>Description:</b>	In the space of content insertion, when the content creator insert texts to the module, should write a maximum of 350 characters each time.
<b>User:</b>	Contents creator
<b>Input information:</b>	Text written by the user about specific content
<b>Exit information:</b>	Text successfully added
<b>Logical constraint:</b>	If the text has more than 350 characters it won't be possible to write anymore.
<b>Technological constraint:</b>	
<b>FR05</b>	<b><u>Receive doubts messages from the user about specific module</u></b>
<b>Description:</b>	In the end of each module, there will be a space for the user to ask doubts related to the module content. The application will send an email notification to the company that created the course, that will have 15 days to answer the user 's doubt.
<b>User:</b>	Waste picker
<b>Input information:</b>	User insert doubt about the content
<b>Exit information:</b>	Enterprise system return an answer
<b>Logical constraint:</b>	If there aren't doubts, continue the course



Technological constraint:	
<b>FR06</b>	<b><u>Allow that the user request a certificate at the end of the course</u></b>
Description:	In the end of the course the user will have the option to request a certificate proving that finished the course and the course workload
User:	Waste picker
Input information:	User will request a certificate
Exit information:	Digital certificate with user 's name, name and signature of the institution, workload and conclusion date
Logical constraint:	If the user doesn't request a certificate, allow course completion
Technological constraint:	
<b>FR07</b>	<b><u>Create a certificate with user's registration data</u></b>
Description:	When requested by the user, the app must provide a certificate
User:	App
Input information:	User will request a certificate and the system must return the user data to create the certificate
Exit information:	Digital certificate with user 's name, name and signature of the institution, workload and conclusion date
Logical constraint:	If the user doesn't request, save the data of the user in a database
Technological constraint:	
<b>FR08</b>	<b><u>Provide space on the app for calculate user's financial health</u></b>
Description:	The user can calculate his daily earnings and expenses in the app available space
User:	App
Input information:	Opening of the space to the user insert the data
Exit information:	Didactical space to insert daily earnings and expenses
Logical constraint:	If the user doesn't use the area allow continue the course
Technological constraint:	
<b>FR09</b>	<b><u>Allow the user to enter their daily earnings and expenses in the space provided</u></b>
Description:	Specific area in the app where the user should insert daily earnings and expenses to control his financial life
User:	Waste picker
Input information:	Daily earnings and expenses
Exit information:	"Data inserted successfully"



Logical constraint:	
Technological constraint:	
<b>FR10</b>	<b><u>Calculate the difference between the user's earnings and expenses according to the values entered</u></b>
Descrição:	In the moment that the user insert his earnings and expenses, the app must calculate the formula "earnings - expenses" to check if his money is properly used, looking for: to spend less than earn every month
Usuário:	App
Informação de entrada:	User's data(daily earnings and expenses )
Informação de saída:	Calculated financial life ("earnings - expenses") and a message according to the results ( Example: "Keeping going! You're using your money consciously!" or "Careful! Looks like you're spending more than the appropriate")
Restrição lógica:	Perform calculation only if the user insert the data
Restrição tecnológica:	

## REFERENCES

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- *Brainstorming* with members of PSP2 group;
- Bibliographic survey: courses related to financial education.