

Assignments > Final Exam

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Instructions

Instructions:

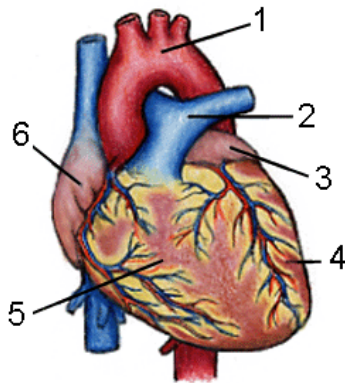
You should build a **Dictionary Website** with a given dictionary API (<https://dictionaryapi.com/products/api-collegiate-dictionary>). The documentation for the API is available here. You can use Nodejs and MongoDB for implementation, but other technologies (programming languages, databases) are also accepted as long as you implement all requirements.

- (10 points) Users should register a new account to be able to use the service.
- (10 points) The users and password should be registered to the database (user should be the email address, the password should be at least 8 characters)
- (40 points) After login, they can take a look at the English to English definition and its illustration by inserting a word in a text box. This calls the API to receive data from a provider (<https://dictionaryapi.com/products/api-collegiate-dictionary>) and it will show the results (**definition**, **illustration** (show the image in the page if it is provided by API, if not show this image)) underneath the text box and store results in the database as well

For example, if the user inserts **heart**

Definition: The following definition should be shown (consult with the documentation):
 "{bc}a structure in an {d_link|invertebrate|invertebrate} animal functionally analogous to the vertebrate heart"

Illustration: The following image should be shown in an img tag (consult with the documentation). If the image does not exist, show this image



(You can include other attributes such as pronunciation in audio tag, etc but not mandatory)

- (20 points) If the word was already searched by any user less than 10 minutes ago, and the same user or another user searches it again, just take the stored values from the database instead of the API call. If it does not exist in the database, take it from the API (to call the external API less and save costs).
- (10 points) Create a video using **OBS** or similar software from the above steps and upload it besides your submission
- (10 points) Write a technical report about how you made the project and upload it as well
- **During the exam (from the start of the exam on Friday at 12:00pm to the submission time), you should not receive any help from me or anyone else for performing the above tasks. You can search online and access the course contents. I will NOT answer technical questions during exam time as well. If something is not clear, just make some assumptions and write it in your report.**
- **You should be able to analyze the API based on the website documentation. I will NOT**

Submit

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- If you could not implement any part, just write your ideas on how it should be implemented. You will receive a partial mark for it
- If something is not explained clearly to you, just make assumptions and implement based on that and write your assumptions
- Each one hour late submission will receive a 10% penalty. For example, if your submission is between 12:01 pm and 12:59 pm on Monday, 10% of your mark will be deducted. From 1:00 pm to 1:59 pm 20% and so on.
- Submissions by email and not in dropbox will receive 0

Start Date

Apr 15, 2022 12:00 PM

Due Date

Apr 18, 2022 12:00 PM

Submit Assignment

Declaration and Acknowledgement

In completing and submitting this exam, assignment, or quiz ("assessment"), I acknowledge and declare that:

- 1. The answers that I provide in this assessment will be entirely my own work, except where I have appropriately referenced the work of others.*
- 2. Unless explicitly authorized by my instructor in writing, the instructions provided in the assessment, or an academic accommodation provided to me by Academic Accommodation Support, I understand that I am not permitted to collaborate or otherwise communicate with others during this assessment.*
- 3. Similarly, unless explicitly authorized, I understand that during this assessment I am not permitted to use the internet (except to download and submit the assessment) and consult or use any physical, or digital resources and aids, including personal notes, textbooks, and course materials.*
- 4. I acknowledge that I am subject to Ryerson's policies, procedures, and guidelines. I understand that if I engage in academic misconduct during the course of this assessment, I may be subject to penalties, including those outlined in Policy 60 (Ryerson's Academic Integrity Policy).*

For assessments which are being proctored:

- 1. If the invigilator or instructor requires OneCard identification, the OneCard identification I will provide to confirm my identity is my own and accurate.*
- 2. I understand that in order to administer this assessment, personal information may be collected, including, if the assessment is being proctored, my OneCard identification or a digital streaming and/or recording of me completing the assessment. I consent to the collection, use, and disclosure of my personal information for assessment, evaluative, and course management purposes and any other consistent purposes.*
- 3. I will respect the privacy of all other students completing the assessment and will not collect, use, or disclose the personal information of any other student.*

I affirm the above information and wish to proceed with the assessment.

*

(0) file(s) to submit. Please avoid long file names and/or special characters such as ~ ! @ # \$ % ^ & * () ` ; < > ? , [] { } ' in the file name.

After uploading, you must click Submit to complete the submission.

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