

## Project 2: Creating a Website with JSON Data via RESTful API

You are required to re-design and implement a new **iSchool** website to replace the old IST Department website (<https://ist.rit.edu/indexOld.php>). All the data and the content you need for your page is being retrieved from an existing data source - a RESTful web service has been made available at <http://www.ist.rit.edu/api>. It provides access to the content you need for your IST Department website. The content/data you request will be returned as a JSON document. The required subset of endpoints to consume are:

- <http://ist.rit.edu/api/about>
- <http://ist.rit.edu/api/people/faculty>
- <http://ist.rit.edu/api/degrees/undergraduate>
- <http://ist.rit.edu/api/degrees/graduate>
- <http://ist.rit.edu/api/employment/coopTable>
- <http://ist.rit.edu/api/employment/employmentTable>

### Requirements

1. All functionality is handled by React, as demonstrated in class.
  - Creation & use of interactive components for all endpoints (except About)
  - The use of **axios** to request your data (JSON format) via a proxy server (explained in class)
  - The use of at least 3 external UI components that extend your project. Do not randomly pick your UI components. Instead, have the components augment your project.
2. The website needs to follow modern design & programming principles and techniques
3. Include comments in the code to clearly explain functionality. Follow the JSDoc format by doing so: <https://jsdoc.app>
4. Provide a **ReadMe** file. You will also have to document your solution using the provided *project2-readme.docx* file. For every rubric in the document, if applicable, explain what you did and where to find your features in the code.

### Deliverables

- The project root should be named as **LastNameFirstNameInitial** (e.g. **Marasovick**)
- Once finished, document your solution using the provided project2-readme.docx file. For every rubric in the document, if applicable, explain what you did and where to find your features in the code.
- Build the project and upload it to **Solace**.
- Zip up the entire project (file structure intact and without the node modules folder, project2-readme.docx file included) and upload it to the appropriate MyCourses Assignments folder, providing in the submission comment the link to solace.

### NOTE:

- Failing to properly explain a rubric will result in no points for that part of the assignment.
- Failing to submit the readme file will result in 0.
- Failing to follow the principles and practices as shown in class will result in 0.
- Failing to upload a working website to Solace will result in 0.

**DUE:** W10C2 - Check MyCourses Assignments' settings

Grading Sheet

✓	Tasks	Points	Score
<input type="checkbox"/>	All the required content is loaded into the new website <ul style="list-style-type: none"> <li>▪ <a href="http://ist.rit.edu/api/about">http://ist.rit.edu/api/about</a> required</li> <li>▪ <a href="http://ist.rit.edu/api/people/faculty">http://ist.rit.edu/api/people/faculty</a> 10 pts</li> <li>▪ <a href="http://ist.rit.edu/api/degrees/undergraduate">http://ist.rit.edu/api/degrees/undergraduate</a> 10 pts</li> <li>▪ <a href="http://ist.rit.edu/api/degrees/graduate">http://ist.rit.edu/api/degrees/graduate</a> 10 pts</li> <li>▪ <a href="http://ist.rit.edu/api/employment/coopTable">http://ist.rit.edu/api/employment/coopTable</a> 10 pts</li> <li>▪ <a href="http://ist.rit.edu/api/employment/employmentTable">http://ist.rit.edu/api/employment/employmentTable</a> 10 pts</li> </ul>	50	
<input type="checkbox"/>	React UI components are interactive (except About)	20	
<input type="checkbox"/>	At least 3 external UI components are used	10	
<input type="checkbox"/>	Professional looking UI – following all the good web design principles	10	
<input type="checkbox"/>	Comments in the code clearly explain functionality (JSDoc format used: https://jsdoc.app)	10	
<b>TOTAL:</b>		<b>100</b>	
<b>NOTE:</b> <ul style="list-style-type: none"> <li>▪ Failing to properly explain a rubric will result in no points for that part of the assignment.</li> <li>▪ Failing to submit the readme file will result in 0.</li> <li>▪ Failing to follow the principles and practices as shown in class will result in 0.</li> <li>▪ Failing to upload a working website to Solace will result in 0.</li> </ul>		0	