

Nodebucket

SPRINT SCHEDULE

Author	Professor Krasso
Last Updated	8/16/2023 4:35 PM
Version Number	1.0.0

Version History

Name	Date	Reason for Change	Version
Krasso, Richard	8/15/2023	New Document	1.0.0

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NODEBUCKET: SPRINT 1

Gradable Requirements:

Requirement #	Requirement
1	Predefined employee Id's (1007-1012)
2	<p>MongoDB database design</p> <ul style="list-style-type: none"> • Business rules: <ul style="list-style-type: none"> ○ an EMPLOYEE can have many TODO tasks. ○ an EMPLOYEE can have many DONE tasks. • Create an ORD based on the defined business rules. • Convert the ORD into a NoSQL data structure. • Create and populate the employees collection with the predefined employeeId's (Hint: Make sure you name the collection employees when you create the Nodebucket database). Naming conventions for databases is {database_name}DB. Use CamelCase for database collection names.
3	<p>Node.js API:</p> <ul style="list-style-type: none"> • Employees <ul style="list-style-type: none"> ○ findEmployeeById: <ul style="list-style-type: none"> ▪ Verb: GET ▪ Route: localhost:3000/api/employees/:empId ▪ Status: 200 – OK ▪ Error Handling: <ul style="list-style-type: none"> • 400 – Bad Request • 404 – Not Found • 500 – Internal Server Error <p>Special note. Swagger is required and must be used to document the API(s).</p>
4	<p>SoapUI Unit Tests:</p> <ul style="list-style-type: none"> • Employees <ul style="list-style-type: none"> ○ findEmployeeById
5	<p>Angular:</p> <ul style="list-style-type: none"> • Home/landing page <ul style="list-style-type: none"> ○ Build a landing page for the Nodebucket project. This is the main page a user will see when they visit your website. • Sign in page

	<ul style="list-style-type: none"> ○ Build a sign in page for the Nodebucket project. This page should have a single input field for empId and a submit button. Include data validation for invalid formats, missing IDs, and employees who are not in the database. ○ Tasks page <ul style="list-style-type: none"> ▪ Create a component for the task management page. For now, leave it empty. Once an employee is signed in, redirect them to this page. We are adding this as a placeholder so we can test the AuthGuard and Signin components. ○ AuthGuard <ul style="list-style-type: none"> ▪ Users must be signed in to view the task management page. All users can view the contact, about, sign in, and 404 pages. ▪ Use the npm package ngx-cookie-service for authentication. Save the employees full name and empId to the browser as separate cookies.
6	3 functional test cases (use the test case template document).

NODEBUCKET: SPRINT 2

Gradable Requirements:

Requirement #	Requirement
1	<p>Node.js API:</p> <ul style="list-style-type: none"> • Employees: <ul style="list-style-type: none"> ○ findAllTasks: <ul style="list-style-type: none"> ▪ Verb: GET ▪ Route: localhost:3000/api/employees/:empId/tasks ▪ Status: 200 – OK ▪ Error Handling: <ul style="list-style-type: none"> • 400 – Bad Request • 404 – Not Found • 500 – Internal Server Error ○ createTask: <ul style="list-style-type: none"> ▪ Verb: POST ▪ Route: localhost:3000/api/employees/:empId/tasks ▪ Status: 201 – Created ▪ Error Handling: <ul style="list-style-type: none"> • 400 – Bad Request • 404 – Not Found

	<ul style="list-style-type: none"> • 500 – Internal Server Error <p>Special note. Swagger is required and must be used to document the API(s).</p>
2	<p>SoapUI Unit Tests:</p> <ul style="list-style-type: none"> • Employees <ul style="list-style-type: none"> ○ findAllTasks ○ createTask
3	<p>Angular:</p> <ul style="list-style-type: none"> • Task management page: <ul style="list-style-type: none"> ○ Build the task management page for the Nodebucket project. This page should consist of an input field for new tasks, a submit button, a column for ToDo items and a column for Done items. Each time a new task is created it is added to the ToDo column by default. • Contact Us page: <ul style="list-style-type: none"> ○ Design a contact us page that is consistent with your selected house theme. Include a Google map for the company's location (use Bellevue Universities address) and contact information (phone number, address, and email).
4	3 functional test cases (use the test case template document).

NODEBUCKET: SPRINT 3

Gradable Requirements:

Requirement #	Requirement
1	<p>Node.js API:</p> <ul style="list-style-type: none"> • Employees: <ul style="list-style-type: none"> ○ updateTask: <ul style="list-style-type: none"> ▪ Verb: PUT ▪ Route: localhost:3000/api/employees/:empId/tasks ▪ Status: 204 – No Content ▪ Error Handling: <ul style="list-style-type: none"> • 400 – Bad Request • 404 – Not Found • 500 – Internal Server Error ○ deleteTask: <ul style="list-style-type: none"> ▪ Verb: DELETE

	<ul style="list-style-type: none"> ▪ Route: localhost:3000/api/employees/:empId/tasks/:taskId ▪ Status: 204 – No Content ▪ Error Handling: <ul style="list-style-type: none"> • 400 – Bad Request • 404 – Not Found • 500 – Internal Server Error <p>Special note. Swagger is required and must be used to document the API(s).</p>
2	<p>SoapUI Unit Tests:</p> <ul style="list-style-type: none"> • Employees <ul style="list-style-type: none"> ○ updateTask ○ deleteTask
3	<p>Angular:</p> <ul style="list-style-type: none"> • Task management page: <ul style="list-style-type: none"> ○ Drag and drop: <ul style="list-style-type: none"> ▪ Employees should be able to prioritize items in either column and move items between the two columns. ○ Delete tasks: <ul style="list-style-type: none"> ▪ Provide users with the ability to delete tasks. As part of the process, prompt users to confirm the deletion. • About Us page: <ul style="list-style-type: none"> ○ Design an about us page that is consistent with your selected house theme. Create your own back story (minimum of 250 words and must include images. Do not forget code attribution). • 404 page: <ul style="list-style-type: none"> ○ Design a 404 page that is consistent with your selected house theme. The 404 page should be fully customized with images and textual content. Be creative, original, and showcase your styling skills.
4	3 functional test cases (use the test case template document).

NODEBUCKET: ENHANCEMENTS

Not Gradable Requirements:

Requirement #	Requirement
N/A	Disclaimer: Enhancements are not required and should not be attempted until you have completed the gradable items in this project.

	<ul style="list-style-type: none">• Add a middle column (between the ToDo and Done columns) and name it Doing.• Provide users with the ability to drag and drop tasks between the three columns (ToDo, Doing, and Done).
N/A	3 functional test cases (use the test case template document.