GIVEN a command-line application that accepts user input

WHEN I start the application

THEN I am presented with the following options: view all departments, view all roles, view all employees, add a department, add a role, add an employee, and update an employee role

WHEN I choose to view all departments

THEN I am presented with a formatted table showing department names and department ids

WHEN I choose to view all roles

THEN I am presented with the job title, role id, the department that role belongs to, and the salary for that role

WHEN I choose to view all employees

THEN I am presented with a formatted table showing employee data, including employee ids, first names, last names, job titles, departments, salaries, and managers that the employees report to

WHEN I choose to add a department

THEN I am prompted to enter the name of the department and that department is added to the database

WHEN I choose to add a role

THEN I am prompted to enter the name, salary, and department for the role and that role is added to the database

WHEN I choose to add an employee

THEN I am prompted to enter the employee’s first name, last name, role, and manager, and that employee is added to the database

WHEN I choose to update an employee role

THEN I am prompted to select an employee to update and their new role and this information is updated in the database

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| GIVEN a command-line application that accepts user input |  |
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| WHEN I start the application | Ok |
| THEN I am presented with the following options: view all departments, view all roles, view all employees, add a department, add a role, add an employee, and update an employee role |  |
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| WHEN I choose to view all departments | Ok |
| THEN I am presented with a formatted table showing department names and department ids |  |
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| WHEN I choose to view all roles | Ok |
| THEN I am presented with the job title, role id, the department that role belongs to, and the salary for that role |  |
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| WHEN I choose to view all employees | Ok |
| THEN I am presented with a formatted table showing employee data, including employee ids, first names, last names, job titles, departments, salaries, and managers that the employees report to |  |
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| WHEN I choose to add a department | Ok |
| THEN I am prompted to enter the name of the department and that department is added to the database |  |
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| WHEN I choose to add a role | Ok |
| THEN I am prompted to enter the name, salary, and department for the role and that role is added to the database |  |
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| WHEN I choose to add an employee | Ok |
| THEN I am prompted to enter the employee’s first name, last name, role, and manager, and that employee is added to the database |  |
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| WHEN I choose to update an employee role | Ok |
| THEN I am prompted to select an employee to update and their new role and this information is updated in the database |  |
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| B O N U S |  |
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| WHEN I choose to view employees by department |  |
| THEN I am prompted to select a department, and I am presented with a formatted table showing employee data for only that department, including employee ids, first names, last names, job titles, salaries, and managers that the employees report to |  |
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| WHEN I choose to view total budget of a department, which is the combined employee salaries |  |
| THEN I am prompted to select a department, and I am presented with a single formatted row showing department name and total of all employee salaries the department |  |
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