

## ISTE.341 - Server Programming - Project 2 Rubrics

| #            | Rubric  | Pts                               |
|--------------|---|-----------------------------------|
| 1            | One method out of 16 implemented & works  | 10                                |
| 2            | The rest of the methods implemented and work (15 * 2 pts)   | 30                                |
| METHODS:     |   |                                   |
|              | deleteAll(...)  | DELETE: Query Parameters --> JSON |
|              | getDepartment(...)  | GET: Query Parameters --> JSON    |
|              | getAllDepartments(...)  | GET: Query Parameters --> JSON    |
|              | updateDepartment (...)<br>1) dept_no must be unique among all companies<br>2) dept_id must be an existing record number for a department  | PUT: JSON --> JSON                |
|              | insertDepartment(...)<br>1) dept_no must be unique among all companies<br>Suggestion: include company name as part of id  | POST: Form Parameters --> JSON    |
|              | deleteDepartment(...)   | DELETE: Query Parameters --> JSON |
|              | getEmployee(...)  | GET: Query Parameters --> JSON    |
|              | getAllEmployees(...)  | GET: Query Parameters --> JSON    |
|              | insertEmployee(... )<br>1) dept_id must exist as a Department in your company<br>2) mng_id must be the record id of an existing Employee in your company.<br>3) hire_date must be a valid date equal to the current date or earlier (e.g. current date or in the past)<br>4) hire_date must be a Monday, Tuesday, Wednesday, Thursday or a Friday. It <b>cannot</b> be Saturday or Sunday.<br>5) emp_no must be unique amongst all employees in the database, <b>including</b> those of other companies. You may wish to include your RIT user ID in the employee number somehow.   | POST: Form Parameters --> JSON    |
|              | updateEmployee(... )<br>1) Additional validations same as inserting an Employee plus emp_id must be a valid record id in the database.  | PUT: JSON --> JSON                |
|              | deleteEmployee(...)   | DELETE: Query Parameters --> JSON |
|              | getTimecard(...)  | GET: Query Parameters --> JSON    |
|              | getAllTimecards(...)  | GET: Query Parameters --> JSON    |
|              | insertTimecard(...)<br>1) emp_id must exist as the record id of an Employee in your company.<br>2) start_time must be a valid date and time equal to the current date or up to 1 week ago from the current date.<br>3) end_time must be a valid date and time at least 1 hour greater than the start_time and be on the same day as the start_time.<br>4) start_time and end_time must be a Monday, Tuesday, Wednesday, Thursday or a Friday. They <b>cannot</b> be Saturday or Sunday.<br>5) start_time and end_time must be between the hours (in 24 hour format) of 06:00:00 and 18:00:00 inclusive.<br>6) start_time must not be on the same day as any other start_time for that employee. | POST: Form Parameters --> JSON    |
|              | updateTimecard(...)<br>1) Additional validations same as inserting a Timecard plus timecard_id must be a valid record id in the database.   | PUT: JSON --> JSON                |
|              | deleteTimecard(...)   | DELETE: Query Parameters --> JSON |
| <b>TOTAL</b> |   | <b>40</b>                         |
| 3            | All validations (16) implemented (20pts=5+15) and found in the Business Layer(5pts)   | 25                                |
| 4            | Appropriate (informative) error messages  | 5                                 |
| 5            | Correct war file that deploys and works   | 15                                |
| 6            | Following good design & programming principles  | 15                                |
| <b>TOTAL</b> |   | <b>100</b>                        |