**DP2 2020-2021**

Features model report

June Group #4

Repository

<https://github.com/rodddella/Acme-Planner.git>

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# Summary

A feature model is a list of features. A given role performs certain actions on an entity that will have some constraints. Thus, a feature groups the functional requirements that encompass that set of actions.

For every feature, the name “(Role)/(Entity) feature” means that for every action in the feature, the principal must have the requested role to perform the action.

# Anonymous/Shout feature

|  |  |
| --- | --- |
| Action | Constraint |
| CREATE | * A shout that is considered spam will not be accepted. * The moment attribute cannot be null and must be in the past. * The author attribute cannot be blank. In addition, it must be at least 5 characters and no more than 25 characters long. * The text attribute cannot be blank. In addition, it must be at least 1 character and no more than 100 characters long. * The info attribute must be an URL. In addition, it must be at least 1 character and no more than 255 characters long. * Shout reference must be unique. |
| LIST | * Shouts that are not older than one month. * Sort them by moment. |

# Anonymous/Task feature

|  |  |
| --- | --- |
| Action | Constraint |
| LIST | * Public tasks that are not finished. * Sort them by execution period or workload. |
| SHOW | * Public tasks that are not finished |

# Authenticated/Task feature

|  |  |
| --- | --- |
| Action | Constraint |
| LIST | * Public tasks that are finished. * Sort them by execution period or workload. |
| SHOW | * Public tasks that are finished. |

# Authenticated/Manager feature

|  |  |
| --- | --- |
| Action | Constraint |
| CREATE | * The company attribute cannot be blank. In addition, it must be at least 1 character and no more than 255 characters long. * The sector attribute cannot be blank. In addition, it must be at least 1 character and no more than 255 characters long. * Manager reference must be unique. |
| UPDATE | * The company attribute cannot be blank. In addition, it must be at least 1 character and no more than 255 characters long. * The sector attribute cannot be blank. In addition, it must be at least 1 character and no more than 255 characters long. |

# Manager/Task feature

|  |  |
| --- | --- |
| Action | Constraint |
| CREATE | * A task that is considered spam will not be accepted. * The title attribute cannot be empty. In addition, it must be at least 1 character and no more than 80 characters long. * The title attribute cannot be empty. In addition, it must be at least 1 character and no more than 500 characters long. * The workload cannot be null and must be at least 0. * The link attribute must be an URL. In addition, it must be at least 1 character and no more than 255 characters long. * The startPeriod attribute cannot be null. * The endPeriod attribute cannot be null. * The visibility attribute cannot be null. * Start and end dates must be in the future at the time of creation. * The end date must be after the start date. * The workload must be less than or equal to the period of execution. * The workload has an accuracy of two decimal places, and these can be up to a maximum of 59. * Task reference must be unique. |
| LIST | * The manager must be the owner of the task. * Sort them by execution period or workload. |
| SHOW | * The manager must be the owner of the task. |
| UPDATE | * A task that is considered spam will not be accepted. * The title attribute cannot be empty. In addition, it must be at least 1 character and no more than 80 characters long. * The description attribute cannot be empty. In addition, it must be at least 1 character and no more than 500 characters long. * The workload cannot be null and must be at least 0. * The link attribute must be an URL. In addition, it must be at least 1 character and no more than 255 characters long. * The startPeriod attribute cannot be null. * The endPeriod attribute cannot be null. * The visibility attribute cannot be null. * Start and end dates must be in the future at the time of updating. * The end date must be after the start date. * The workload must be less than or equal to the period of execution. * The workload has an accuracy of two decimal places, and these can be up to a maximum of 59. * The principal must be the owner of the task. |
| DELETE | * The principal must be the owner of the task. |

# Administrator/Dashboard feature

|  |  |
| --- | --- |
| Action | Constraint |
| SHOW | * The dashboard must be read-only. * Display a dashboard with the following indicators:   + - Total number of public/private tasks.     - Total number of finished/non-finished tasks.     - Average, deviation, minimum, and maximum task execution periods.     - Average, deviation, minimum, and maximum task workloads. |

# Administrator/SpamThreshold feature

|  |  |
| --- | --- |
| Action | Constraint |
| SHOW | * The SpamThreshold must be read-only. |
| UPDATE | * The value attribute cannot be null. In addition, it must be between 0.0 and 100.0. |

# Administrator/SpamWord feature

|  |  |
| --- | --- |
| Action | Constraint |
| LIST | * Sorted by insertion |
| SHOW | * The SpamWord must be read-only. |
| CREATE | * The text attribute cannot be blank. In addition, it must be at least 1 character and no more than 255 characters long. * SpamWord reference must be unique. |
| DELETE |  |