Railway System UML Design

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| RailwayManager |
| * \_db\_session : sessionmaker |
| + \_\_init\_\_(db\_name : string)  + add\_employee: int  + remove\_employee: int  + get\_employee: int  + employee\_exists  + get\_all\_employees: []  + get\_all\_by\_type: (type: string): []  + update\_employeee(employee : AbstractEmployee) |

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| AbstractRailwayEmployee | |
| * \_first\_name: string   - \_last\_name: string   * \_employee\_id: int * \_date\_started: date |  |
| + get\_first\_name:string  + get\_last\_name: string  + get\_full\_name: string  + get\_employee\_id: int  + get\_date\_started: date  + to\_dict(): string  + get\_details: string  + get\_type: string |  |

+ get\_train\_name: string

+ get\_train\_id: int

+ to\_dict():string

*+ get\_details: string*

*+ get\_type: string*

* \_first\_name: string
* \_last\_name: string
* \_employee\_id: int
* \_date\_started: date
* \_station\_name: string
* \_station\_id: int
* \_first\_name: string
* \_last\_name: string
* \_employee\_id: int
* \_date\_started: date
* \_train\_name: string
* \_train\_id : int

Dispatcher

TrainDriver

+get\_station\_name: string

+get\_station\_id: int

*+ get\_details: string*

*+ to dict(): string*

*+ get\_type: string*

+ get\_all\_details: string