

# HW2 Part 2 設計說明

This is **heritage-railway** database, designed for a small, simple railway system. The majority of the employees are volunteers, mainly holding the positions of drivers and conductors. There are also some positions held by part-time workers like attendants, while volunteers can also do this kind of work (become a part-time worker at the time). The major entities are “Employee”, “Rolling Stock”(車輛), “Trains”(列車班次), and “Timetable”. The relationships are shown as follows:

- Each “Trains” relates to one or more “Employee”. An “Employee” can work for many “Trains”.
- A “Trains” consists of one or more “Rolling Stock”. One “Rolling Stock” can run many “Trains”.
- Each row of “Timetable” represents scheduled time of one station for one train, while “Timetable” includes scheduled time of all “Trains”.
- Some kinds of “Rolling Stock” can’t coupling with each other.
- When trains meet each other at station, “Timetable” shows the meeting relationship.

