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## Database Spaghetti

We used the flughafendb small dataset (<https://github.com/stefanproell/flughafendb>) and modified it for our use.

The dataset is a free sample from MySQL and is used for demonstrating warehousing capabilities of MySQL and Oracle products. There is an additional large dataset which contains more data.

The dataset is available as a MySQL dump. We extracted the data from the dump into CSV files for our use. We made only minimal changes to the original data and used most of the data as it is.

|  |  |  |  |
| --- | --- | --- | --- |
| Table | Description | Rows | Changes made |
| booking | Main transaction table, containing booking for each passenger | 3446513 |  |
| flight | Stores flight info e.g scheduled departure and arrival date time, from and to airport etc. | 302700 |  |
| flight\_log | Logs for flights, no data in small db | 0 | Table not used |
| airport | Stores information about airport | 9939 |  |
| airport\_reachable | Stores information about hops for an airport, no data in small db | 0 | Table not used |
| airport\_geo | Stores geographic data for airport | 9854 |  |
| airline | Stores information about airlines | 113 |  |
| flightschedule | Stores weekly schedule for flights.  Note that all info is already available in the flight table, and there is not variance in departure and arrival time | 9851 | Table not used |
| airplane | Stores information about airplanes e.g. the airline which owns it | 5583 |  |
| airplane\_type | Stores additional information about airplanes, e.g. the model and detailed description about its feature | 342 | Removed description column |
| employee | Stores employee info | 1000 | Table not used, not linked to transaction table |
| passenger | Stores passenger name and passport | 35386 |  |
| passengerdetails | Stores additional personally identifiable information about passengers | 36194 |  |
| weatherdata | Stores weather forecast | 4626432 | Table not used, not linked to transaction table |

## ERD

