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The schedule module

`class pygtfs.schedule.Schedule(db_connection)`

Represents the full database.

The schedule is the most important object in pygtfs. It represents the entire dataset. Most of the properties come straight from the gtfs reference. Two of them were renamed: calendar is called *services*, and calendar_dates *service_exceptions*. One addition is the *feeds* table, which is here to support more than one feed in a database.

Each of the properties is a list created upon access by sqlalchemy. Then, each element of the list as attributes following the gtfs reference. In addition, if they are related to another table, this can also be accessed by attribute.

Parameters: `db_conection` – Either a sqlalchemy database url or a filename to be used with sqlite.

agencies

A list of `pygtfs.gtfs_entities.Agency` objects

agencies_by_id(id)

A list of `pygtfs.gtfs_entities.Agency` objects with matching id

drop_feed(feed_id)

Delete a feed from a database by feed id

fare_rules

A list of `pygtfs.gtfs_entities.FareRule` objects

fares

A list of `pygtfs.gtfs_entities.Fare` objects

fares_by_id(*id*)

A list of `pygtfs.gtfs_entities.Fare` objects with matching id

feed_infos

A list of `pygtfs.gtfs_entities.FeedInfo` objects

feeds

A list of `pygtfs.gtfs_entities.Feed` objects

feeds_by_id(*id*)

A list of `pygtfs.gtfs_entities.Feed` objects with matching id

frequencies

A list of `pygtfs.gtfs_entities.Frequency` objects

routes

A list of `pygtfs.gtfs_entities.Route` objects

routes_by_id(*id*)

A list of `pygtfs.gtfs_entities.Route` objects with matching id

service_excptions

A list of `pygtfs.gtfs_entities.ServiceException` objects

service_excptions_by_id(*id*)

A list of `pygtfs.gtfs_entities.ServiceException` objects with matching id

services

A list of `pygtfs.gtfs_entities.Service` objects

services_by_id(*id*)

A list of `pygtfs.gtfs_entities.Service` objects with matching id

shapes

A list of `pygtfs.gtfs_entities.ShapePoint` objects

stop_times

A list of `pygtfs.gtfs_entities.StopTime` objects

stops

A list of `pygtfs.gtfs_entities.Stop` objects

stops_by_id(*id*)

A list of `pygtfs.gtfs_entities.Stop` objects with matching id

transfers

A list of `pygtfs.gtfs_entities.Transfer` objects

trips

A list of `pygtfs.gtfs_entities.Trip` objects

trips_by_id(*id*)

A list of `pygtfs.gtfs_entities.Trip` objects with matching id