flight gear

agent

View
+ CLI
+ Socket Access
+ Debug (includes all dashboard data)

Controller
+ Remote instructaion
+ Streams flight data
+Performs analytics
+ Send analytics to backend

Model
+ Symbpl table
+ Time series
+ on plane dashboard data

back

View
+ CLI
+ Reset
+ List of tasks
+ List of open threads of tasks

Controller
+ active object
+ Command Pattern
+ Thread Pool execution of tasks

Model

services

ORM

sql db

front

View
+ Time capsule
+ Fleet overview
+ Monitoring
+ Teleoperations

View Model
+ Create Timeseries Object
+ Load properties
+ Update display variables

Model
+ Bussines logic

Backend

MVC APP

View

+ CLI
+ Reset
+ List of tasks
+ List of open threads
  of tasks
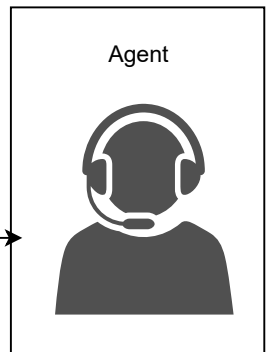
Controller

Model

ORM

sql db

Protocols : TCP

Agent

send instructions to the agent

Copmleted flight informations

as a serializable Object

flight data

instructions

Flight Gear

Backend

MVC APP

View

+ CLI
+ Reset
+ List of tasks
+ List of open threads
  of tasks

Controller

Model

ORM

sql db

Frontend

Fleet overview

Monitoring

Teleoperations

Time Capsule

Queries
protocol: TCP

Streams
protocol:
TCP

Agent

Queries
protocol: TCP

Streams
protocol:
TCP

Flight Gear

Backend

MVC APP

View

+ CLI
+ Reset
+ List of tasks
+ List of open threads
  of tasks

Controller

Frontend

Fleet overview

Monitoring

Teleoperations

Time Capsule

Joystick
streams
protocol:
TCP

code instructions

Streams
protocol:
TCP

interpret the code

flight instructions

Model

ORM

sql db

Agent

Joystick
streams
protocol:
TCP

automatic flight instructions

Streams
protocol:
TCP

Flight Gear

Backend

MVC APP

View

+ CLI
+ Reset
+ List of tasks
+ List of open threads
  of tasks

Controller

Model

ORM

sql db

Frontend

Fleet overview

Monitoring

Teleoperations

Time Capsule

Queries
protocol: TCP

Time
Series
CSV
protocol:
TCP

Agent

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