Dwight Thomas

Large Scales Assignment 2

Air Control System:

Class-Responsibility-Collaboration (CRC) Cards:

|  |  |
| --- | --- |
| Transponder | |
| Aircraft Type | Flight Info |
| Flight data |  |

|  |  |
| --- | --- |
| Flight Info | |
| Port of Departure |  |
| Port of Destination |  |
| Passengers |  |
| Time of Departure |  |
| Expected Time of Arrival |  |
| Present Location |  |

|  |  |
| --- | --- |
| Ground Station | |
| Unpack Data | Transponder |
| Store Data | Analyser |
| Display Graphic |  |

|  |  |
| --- | --- |
| Analyser | |
| Determine Danger | Ground Station |
| Queries | Transponder |

Design: So the Transponder class will be responsible for the aircraft type and the flight data, which it will receive from the Flight info class, then it will relate to the ground station class which will then be responsible for unpacking this data and storing it then using the stored data to create a display graphic for the worker to monitor. The ground station will also communicate with the analyser class which will hand determining dangerous situations and also any queries on the system.

Graph:

(I’m not sure what you meant by a graph so I hope the Tables surfeits.)