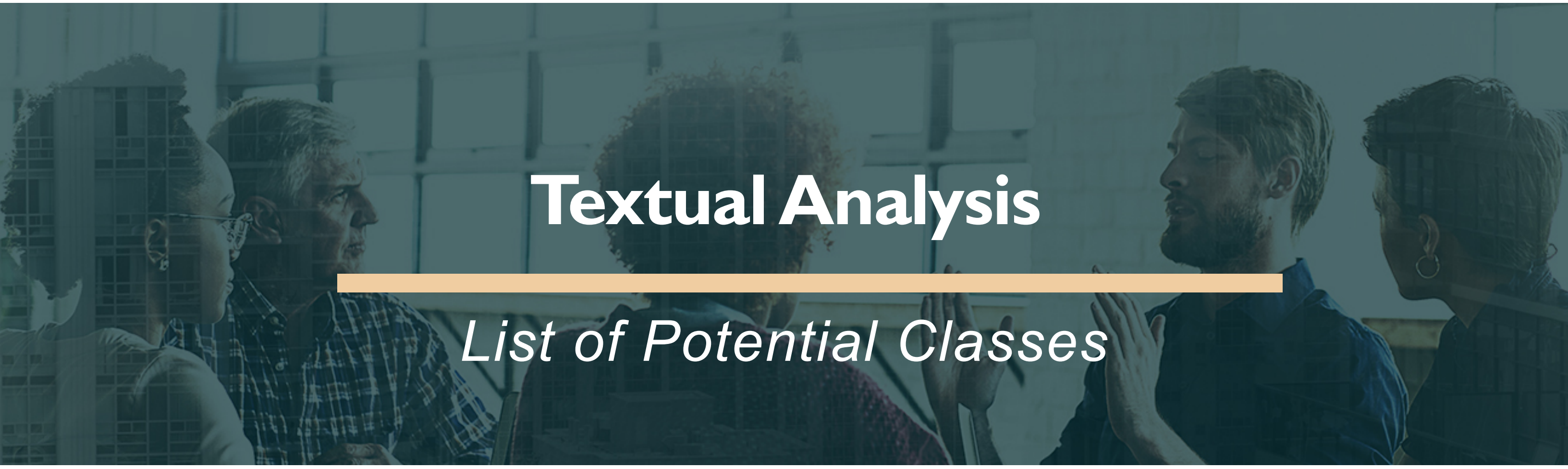

Textual Analysis

List of Potential Classes

Using the "*nouns*" technique

□ **1.** This system is responsible for managing global airline routes between airports. The air traffic controllers should be able to access and manage this information thorough a client GUI interface.

□ **2.** **Potential Classes:**

a. System
b. ClientGUIInterface
c. Airline
d. Route
e. Airport

Using the "*to be modelled*" technique to expand

□ **1.** Categories according to Coad and Yourdon:

Categories	**Explanation**
Structure	ClientGUI, ClientBackEnd
Other Systems	ServerThread, Server
Devices	Airplane
Events Remembered	Route
Roles Played	User
Locations	Airport
Organisation Units	AirTrafficControl

2. Categories according to Shlaer and Mellor:

Categories	Explanation
Tangibles	Airport, Airplane
Roles	AirTrafficControl, AirlineRepresentative
Incidents	
Interactions	Route
Specifications	Airline

3. Categories according to Ross:

Categories	Explanation
People	User
Places	Airport, Airline
Things	Airplane
Organizations	AirTrafficControl
Concepts	ClientGUI, ClientBackEnd, ServerThread, Server
Events	Route

Eliminating false objects, for final list of classes

1. **ClientGUI** – Client Application User Interface.
2. **ClientBackEnd** – Client Application Variables & Methods.
3. **ServerThread** – Server Thread that Communicates with Clients.
4. **Server** – Server Variables & Methods (*Communication with SQLite*).
5. **DataPoint** – Singular Flight Route with all Relevant Elements.
6. (**Airport** – Separate from *DataPoint* for prefetching values to client.)?