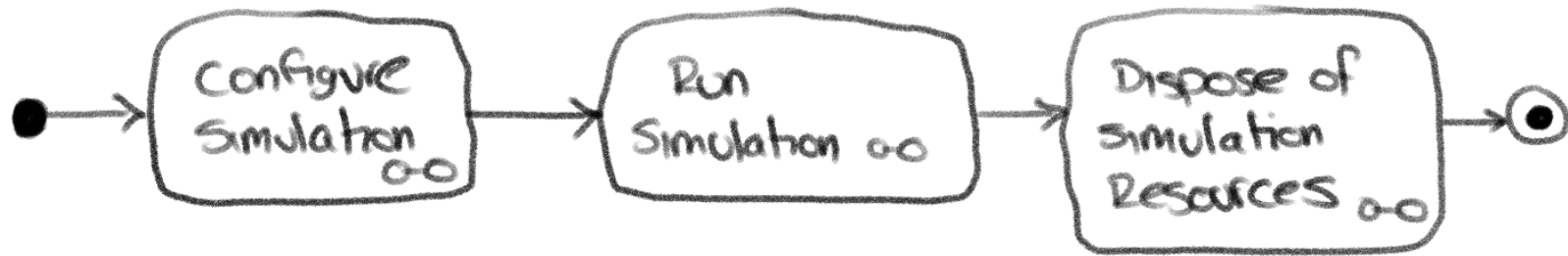
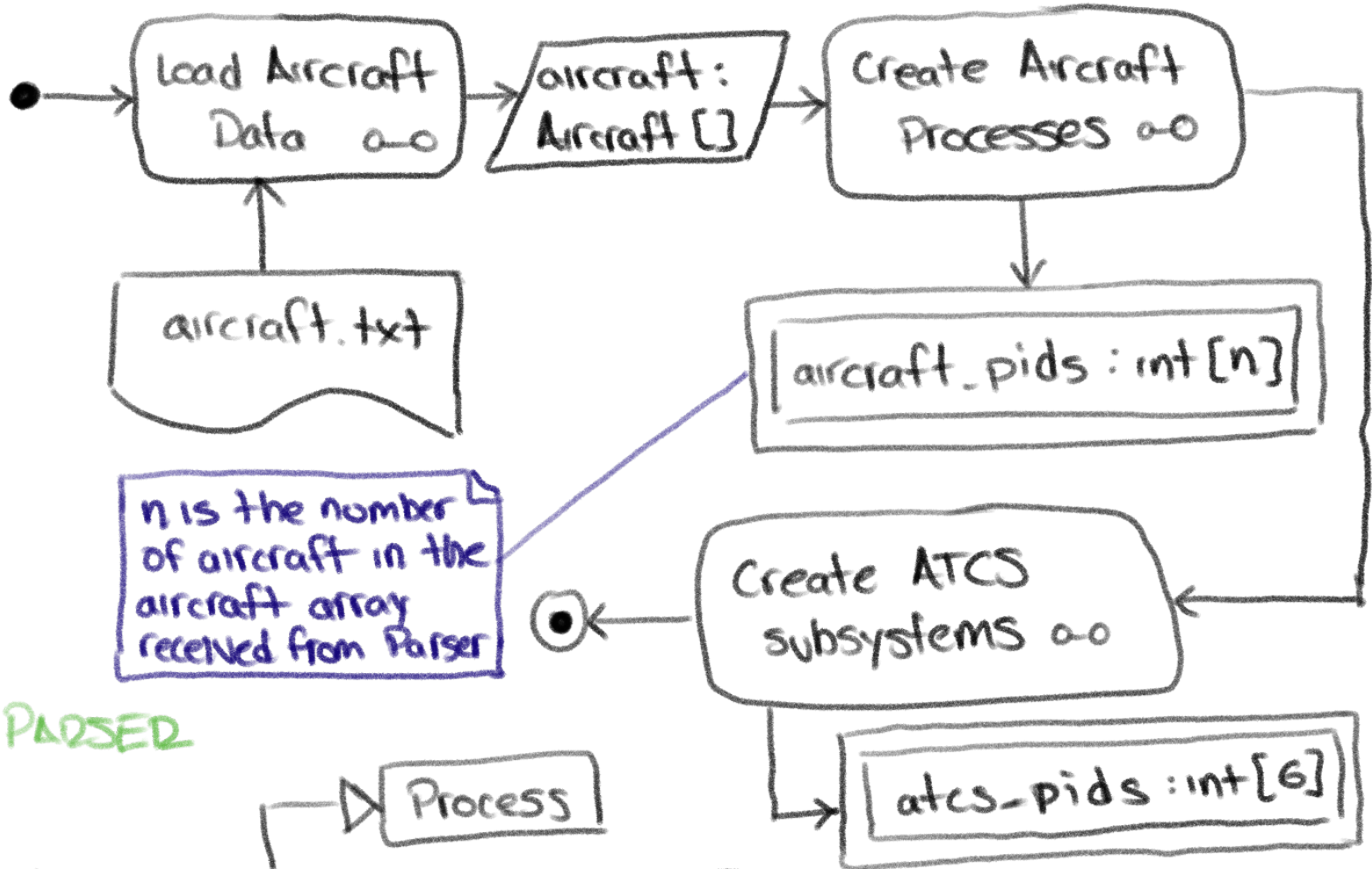


BEHAVIOUR OVERVIEW

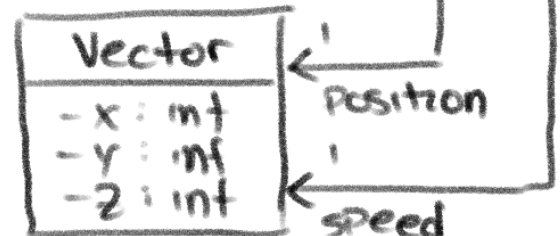
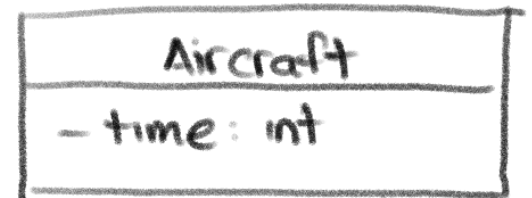
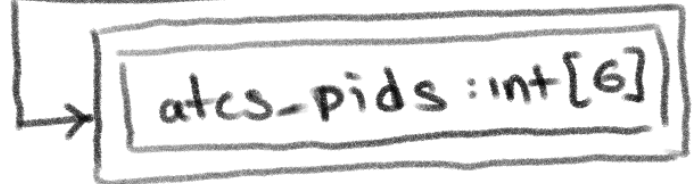
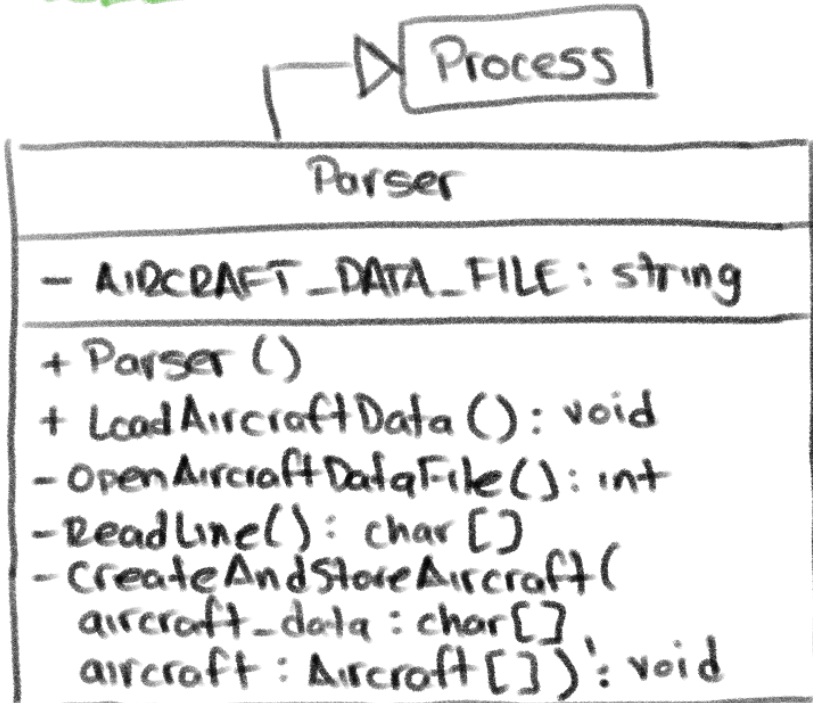


CONFIGURE SIMULATION



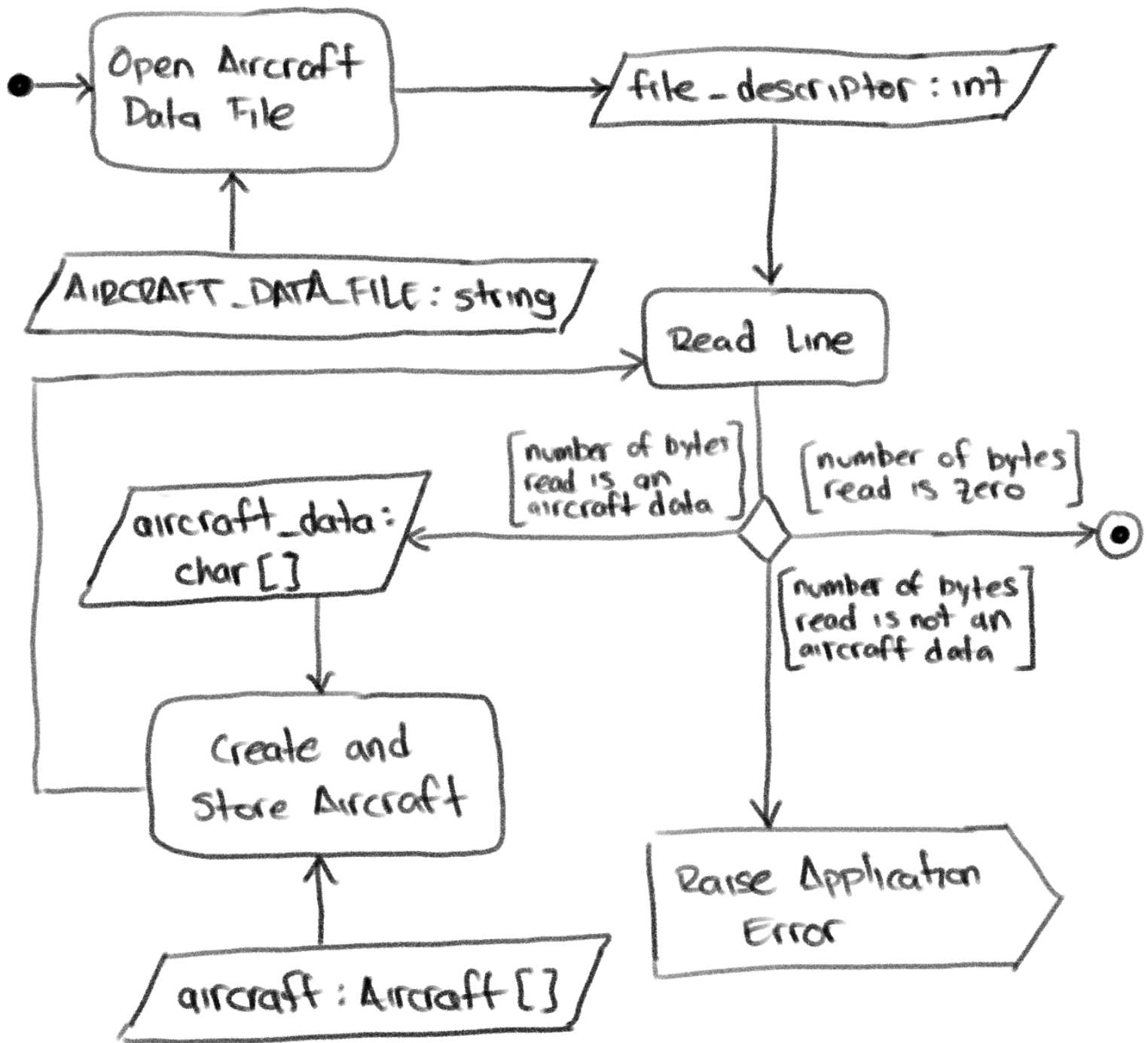
n is the number of aircraft in the aircraft array received from Parser

PARSER



Position
Speed

LOAD AIRCRAFT DATA



RESOURCE MANAGER

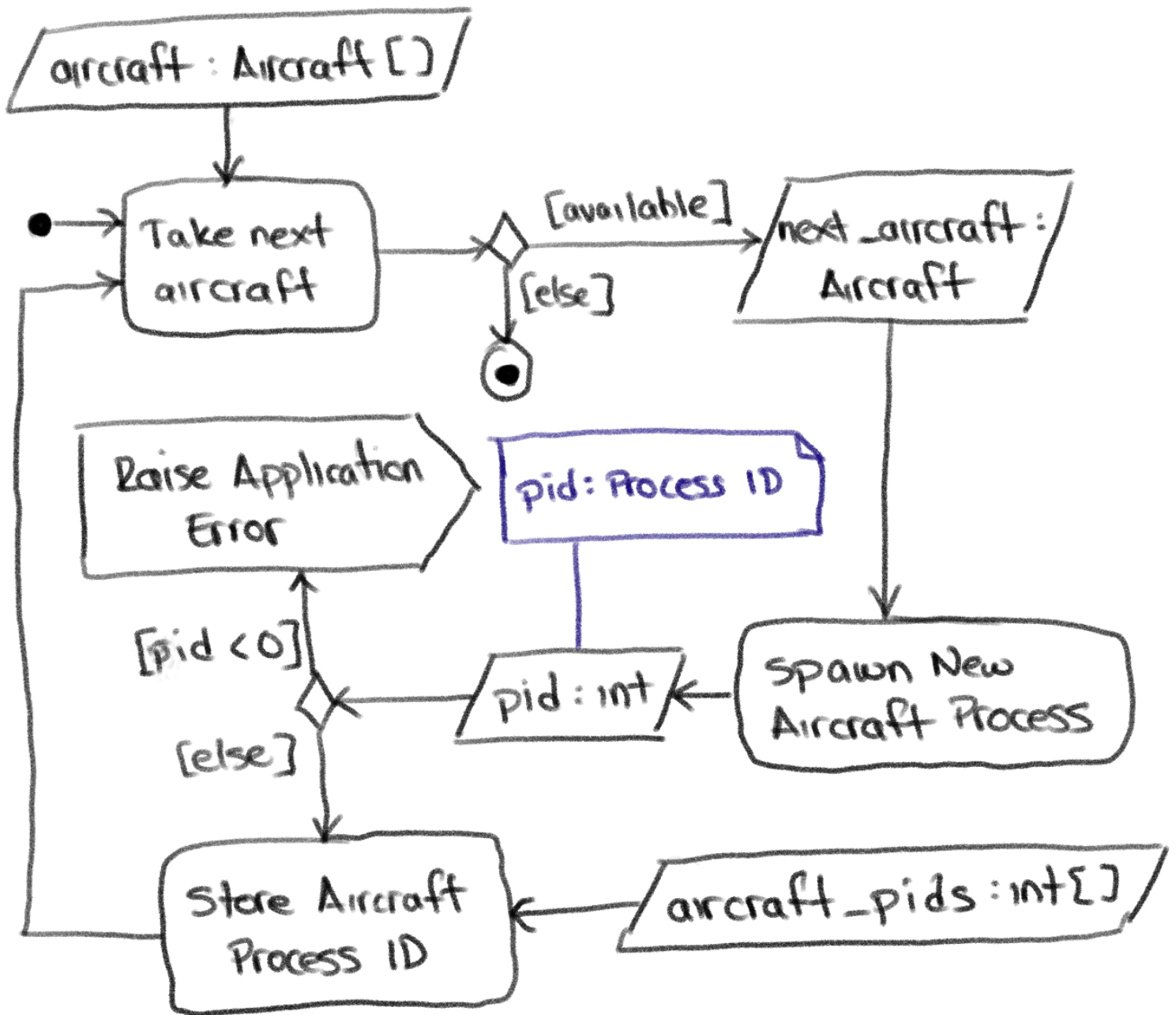


Resource Manager

- aircraft_pids : int[]
- atcs_pids : int[]

- + Resource Manager()
- + Create Aircraft Processes (aircraft: Aircraft[]): void
- + Create ATCS Subsystems(): void
- Take Next Aircraft (aircraft: Aircraft[]): Aircraft
- Spawn New Aircraft Process (aircraft: Aircraft): int
- Store Aircraft Process ID (pid: int): void
- Initialize Data Display(): void
- Initialize Computer System(): void
- Initialize Communication System(): void
- Initialize Operator Console(): void
- Initialize Radar(): void
- Store ATCS Process ID (pid: int): void

CREATE AIRCRAFT PROCESSES



CREATE ATCS SUBSYSTEMS

