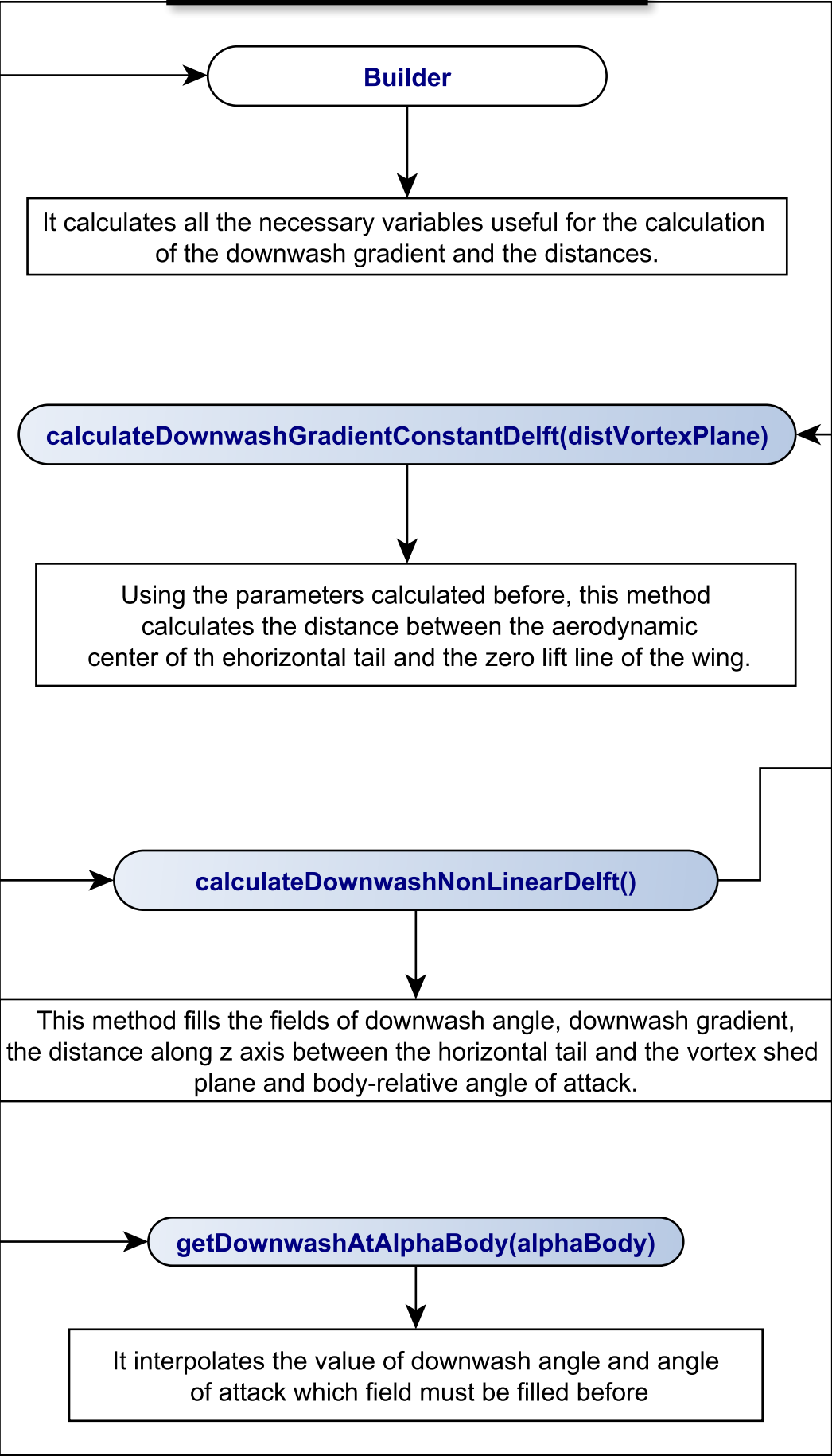


Test Class

```
DownwashCalculator theDownwashCalculator = new DownwashCalculator(aircraft);  
theDownwashCalculator.calculateDownwashNonLinearDelft();  
  
double downwash = theDownwashCalculator.getDownwashAtAlphaBody(alphaBody);  
  
theDownwashCalculator.plotDownwashDelftWithPath(subfolderPath);  
theDownwashCalculator.plotDownwashGradientDelftWithPath(subfolderPath);  
theDownwashCalculator.plotZDistanceWithPath(subfolderPath);
```

DownwashCalculator



This method calculates step by step t he distance between the aerodynamic centre and the vortex plane

Step 0

$$\epsilon = \frac{d\epsilon}{d\alpha_w}(\alpha_w - \alpha_{0_w})$$