

Strategy Pattern Demo: Problem Statement

- You're developing a google maps competitor called StrategyMap. You didn't think the app would take off at first, so you developed the map functionality and made it only generate driving routes from location a to b. However, the app was a success, and now users want to get from location a to b using bikes and by foot. How can we make it so we can interchange transportation methods in our main navigation class?

How does the strategy pattern help us?

- With the strategy pattern, we can declare our mode of transportation (driving, walking, biking) as a strategy class and set it as the strategy in our Navigation Model.
- The Navigation Model will be able to start a route with any strategy because they all implement the same interface methods.

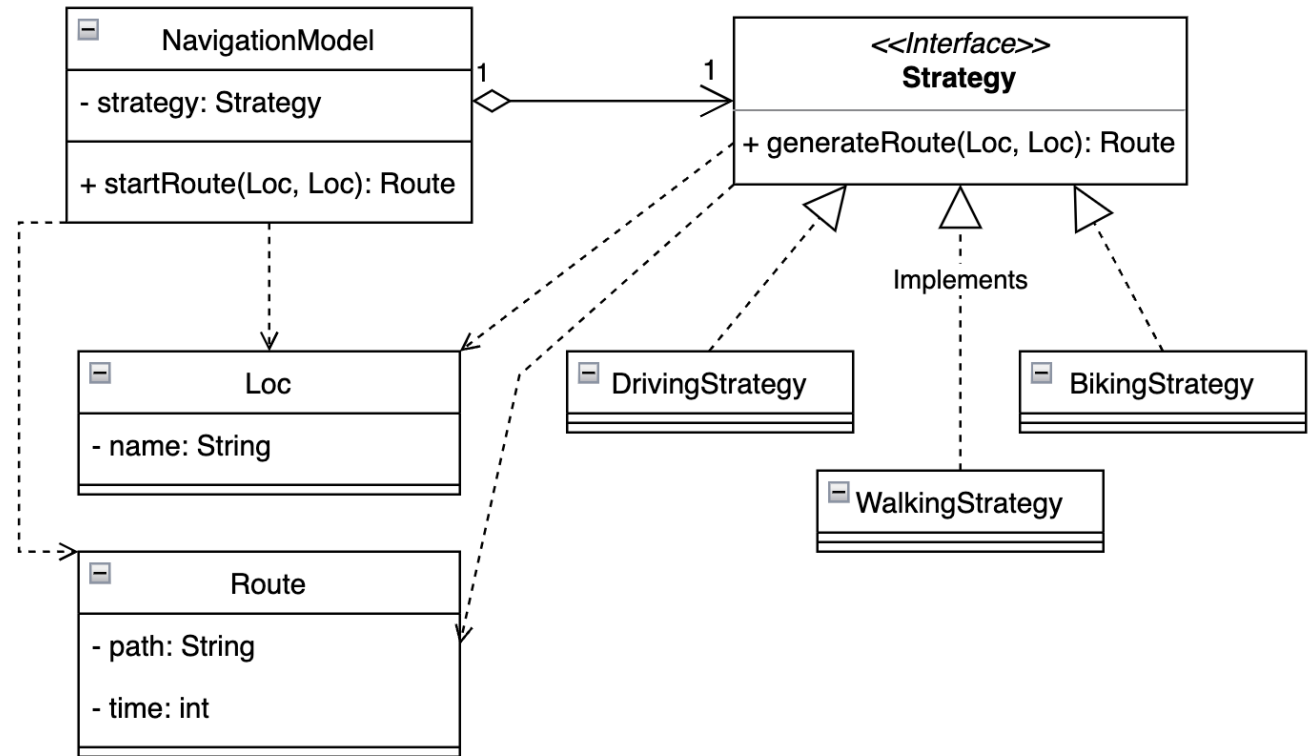


Diagram Link

- In case you want to edit it
- <https://drive.google.com/file/d/1YBLTLQTUBjgnDOYqGORchM0KwrWgHCaD/view?usp=sharing>