

Evaluation of assignment #5:

- (1) Has APIs & documentation of those APIs.
- (2) Has serving working.
 - a. Server indicates that it has an internal error when trying to find a path on the default problem. This likely indicates that your default problem isn't a well-defined problem. For example, I don't think the boundary makes sense in that default problem – how can the boundary be defined (legally) by only a single point?
- (3) Testing:
 - a. Has internal testing based on Python.
 - i. Significant unit testing.
 - b. Automated using Postman, including verification of returned results.

Issues:

- (1) I didn't see how the team addressed item (d) under Team 2's responsibilities in the specification (regarding the efficiency of path computation).
- (2) I didn't see a graphical client as per the specification.
- (3) Why the mixing of int32 & int64 in the API specification?

Design observations:

- (1) As we discussed the Thursday before Spring Break, you need to rely on the storage service to support a consistency model – you really can't do it without their support. Also, it would be best to not force the external user to handle versioning – that is best handled between your service and the storage service.
- (2) Obstacle definition (similar observations for the Boundary definition):
 - a. "Encapsulate" the dimensions (height /width) in another object – just like we encapsulated coordinates. Don't call it height.
 - b. Name the "type" of the object – e.g., rectangle. In this way, you can parse this differently
- (3) Don't include the x,y values – they don't hold meaning and, if you provide them, someone may rely upon them. If there are optional things that you want to include (e.g., for testing), you only return those optional items when an optional parameter in a request is set.