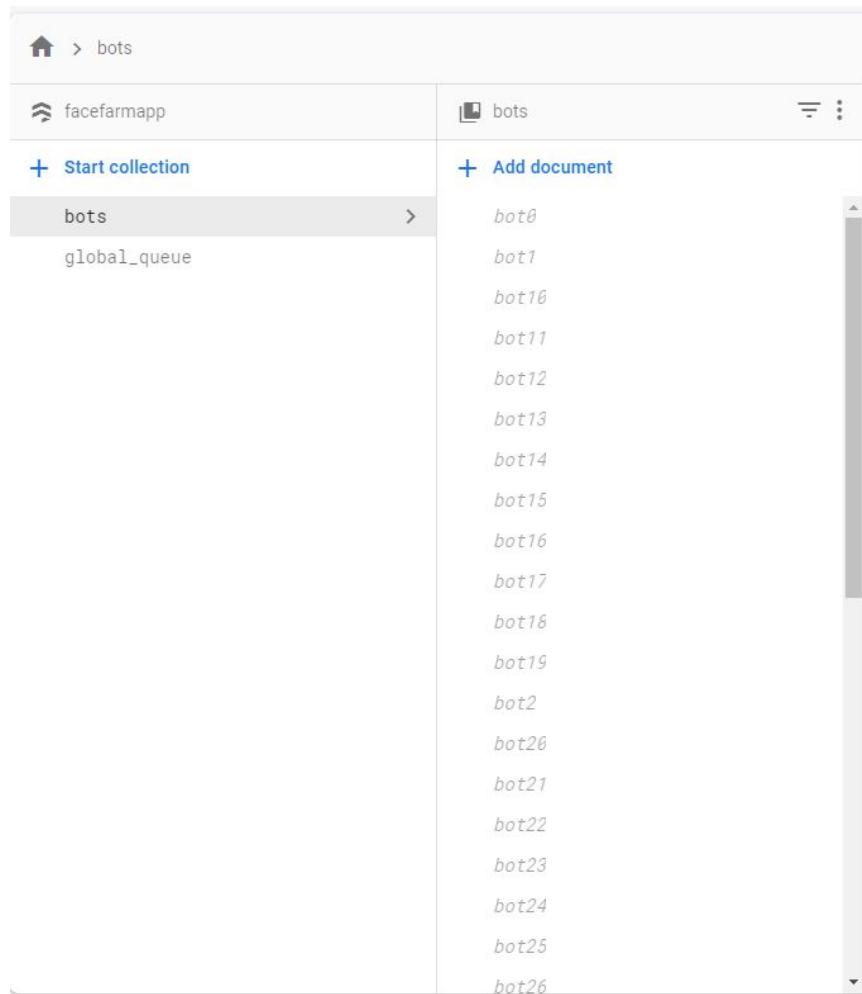# Firestore Technical Task

1 Queue Manager System

1. Wait until a new document appears in "global_queue" collection
2. Get new document from "global_queue"
3. Find collection "bots/bot<x>/queue" with the least number of documents and write document from "global_queue" to it

2 Firebase Cloud Firestore Structure

1. Root directory

2. bot<x> directory

Home > bots > bot0 > queue > 6pxMspTU6fgh...

bot0

+ Start collection

queue >

+ Add field

queue

+ Add document

6pxMspTU6fghq05lqXka >
CZ6co0LXPSM9uSj4Fwzq
GeBZcR2lLpQo0QrGvAEW
rasnQTGmkxgysh24n7y9

6pxMspTU6fghq05lqXka

+ Start collection

+ Add field

base_image: "https://cityhost.ua/upload_img/blog5ef308ea5529c_trash2-01.jpg"

edited_image: ""

filter_function: "commands_phone"

3. Global_queue directory

Home > global_queue > 1pmnGt6jTRFp...

facefarmapp

+ Start collection

bots

global_queue >

global_queue

+ Add document

1pmnGt6jTRFpWPVKTeth >
9mAZ7URPwj58peEY3y8G
EKs3Byhfs3aGULbtDs2s
IRtlfzf4F3i52evsyRcT
NEAkIUDF93aDUAGe6J5C
UKfwqIgYUMtrjYLOBfYJ
ayhPjpwC24bjY1h1fOiv
c5WzpZlqjtC0GRUSISc8
cXyY3plhyBoi9CJ16OGP
jiUgkEcVHnGKHP0D22WY
oURfWAO6NXKAfDaDWQy8
seymUaMoqJdja3nTStGs

1pmnGt6jTRFpWPVKTeth

+ Start collection

+ Add field

base_image: "https://cityhost.ua/upload_img/blog5ef308ea5529c_trash2-01.jpg"

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