Sept. 21st

Priority for physical side is on the nobot and its traversal.

Once traversal tasks accomplished, detailed retrieval and delivery machanism needed to be worked with

Software side, server takes precedence for creation, since it is the most computational intensive aspect and the one side.

Two way conversation to ensure port
existance and ability to get. Also
will apply to use position.

> May use a list sent from server
to the app to make sure proper infoer
romation is transmitted t requestred,

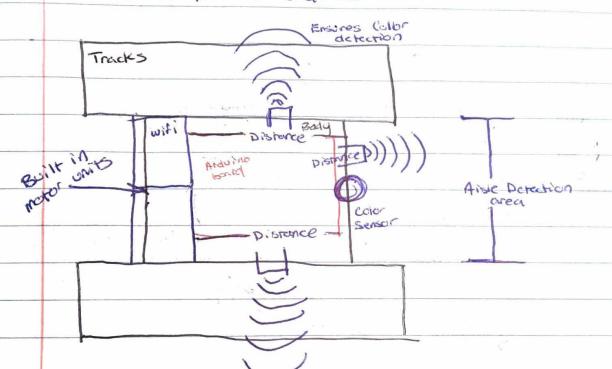
App will act as a basic pertal into the server bagin information (w) possword) will provide security to

	SOFTWARE DEU (9/29 => 10/4)
Č	MOUED INSTANCED TIMREAD FROM
	MANAGER & to SOCKET CONCITION
	- Com 1000
Þ	
	CREATED CONTAINER FOR CLIENT
	SOCICISTS, WHITCH ARE ADDED ON
	instruction, SO FOR BACH CAR BE USED
	APREZ MATA PIELDS TO SOCKET TO
	FTONR I PO DEFINED REBOT
i	IPS AS 10.0.10.10 -> 10.0.10.15
	ANDROED DEUTICES 100,10-20-> 10.0,10.25
	1 the Contract of the Contract
	SOCKET MANACER! CONNECTIONS almost
	DONE, NEED TO PUSH RECEIVED MESSAGE
-	
	TO MANAGER FOR MANDETUS & REPLY
	DESTROSUTION
	at the state of th
	and the second s
1	

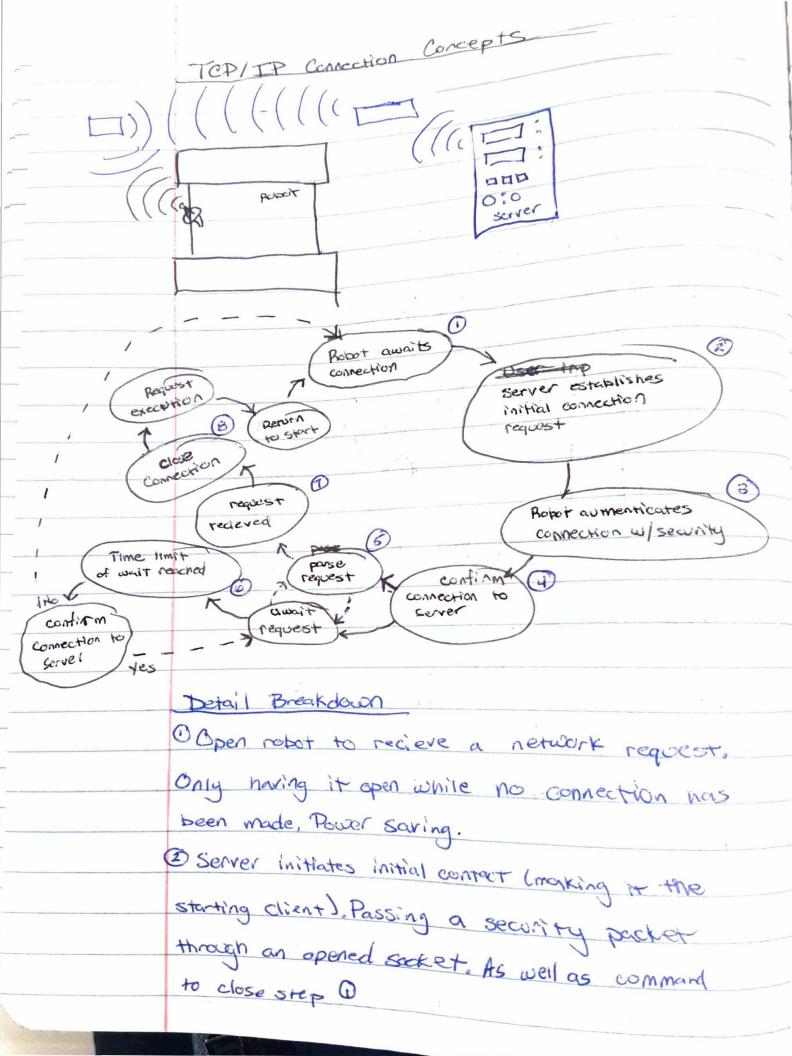
Object Remieval Concept · Claw mechanism -> "Rotational abilities could offer greater manceverability and part pick-up accorney · Plate Capture Mechanism -- Appears to be less moplex due to minimal rotations, Although linear vertical motion seem complex Pro's leating room eating "Size, snowe ventation ensier · Center of gravity issues · Power Consumption for · Increased Tension pulls Acquirocy Motars to form a box gel "linear up/down seems Greater object complex... may be not monueverability · lightweight objects Uses minimal Min. Tension notation hard to slide underneath ·Simple construction Tensioner prone to cable easiest wlitems snapping mox tension in a box

## Jacob & Faddi Meeting

- · Finalized all mechanical designs and concepts for navigation and aisle detection · Color sensor determines the aisle marker
  - · Aisle minimum width determined.
  - " All components ordered.



- "Retrievol orm still in discussion. Pre-assembled arm possible?
- · Division of specific responsibilities signised
  - · Navigation design Faddi
  - includes programming
    - · Arm Retrieval Faddi + Jacob
    - · Server Connection & dismanayon book



(3) Security needs: Authentication of request by
server. Maybe:
- Encryption Key; deciphered signal could only be
readable by a certain key on server side.
- Cooroberated random number generation via a
Synced clocking.
- Special IP proket design.
- Dual authentication, requests password user
inpulted
@ Robot confirms connection and executes closure
of step (). Instructs server to send request.
Goes into wait made
3 server sends request
The state of the s
TCP/IP requires continuous confirmed connection,
so wait protocol can only go for so long, then
it most confirm connection again (mand shoking)
** Request is recleved, and disemenated.
3 TCP/IP connection closes
C 1017 PT WHITE OF CITY