Database.ts

export search | _callback: Function | Aus Funktion
                _string : string   find All

var cursor: Mongo.Cursor
= students.find()

cursor.toArray(prepareAnswer)

prepareAnswer(_e: Mongo.MongoError,
              studentArray: StudentData[])

if(_e)   else
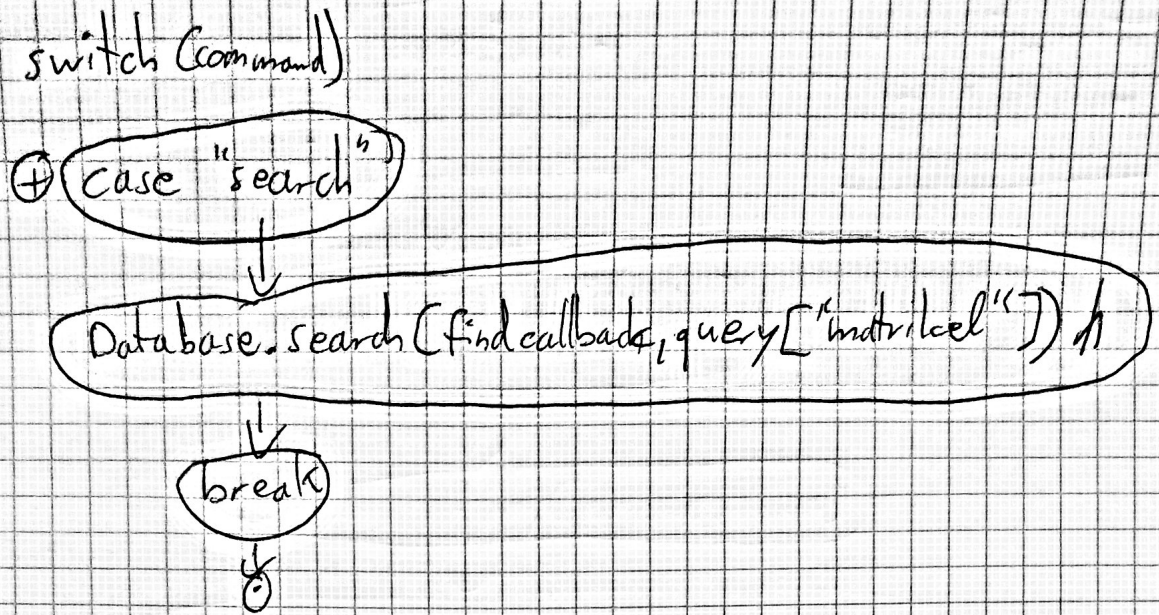
_callback   let i: number = 0
("Error", e)
                          else   i++

                [i < studentArray.   else
                 length]

[studentArray[i].matrikel
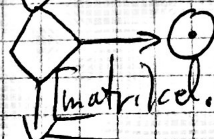= _string]

_callback(JSON.stringify(studentArray[i]))

Server.ts

switch (command)

(case "search") ⊕

↓

(Database.search(find callback, query["matrikel"]))

↓

(break)

↓
⊙

DatabaseClient.ts

> (EventListener auf button("click", search))

↓

[let matrikel = parseInt von Input value (search)]

↓
◇ → ⊙
[matrikel.toString().length > 0]

(new Http request)

↓

(xhr.open mit URL
"?command=search& matrikel =" + matrikel)

↓

(xhr EventListener("readystatechange", search Matrikel))

↓

⊙ ← (xhr.send())

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search Matrikel
bereits
vorhanden