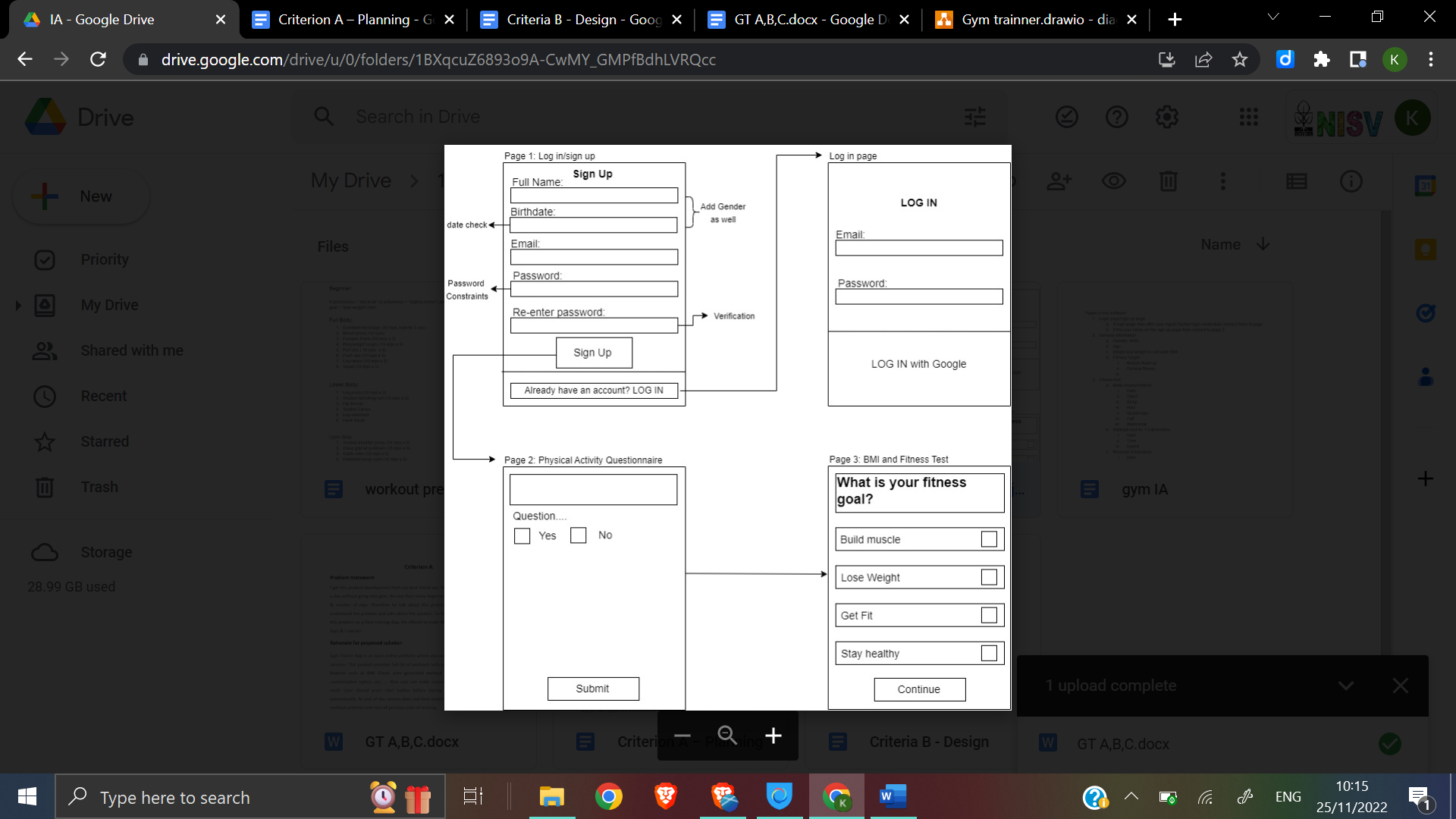
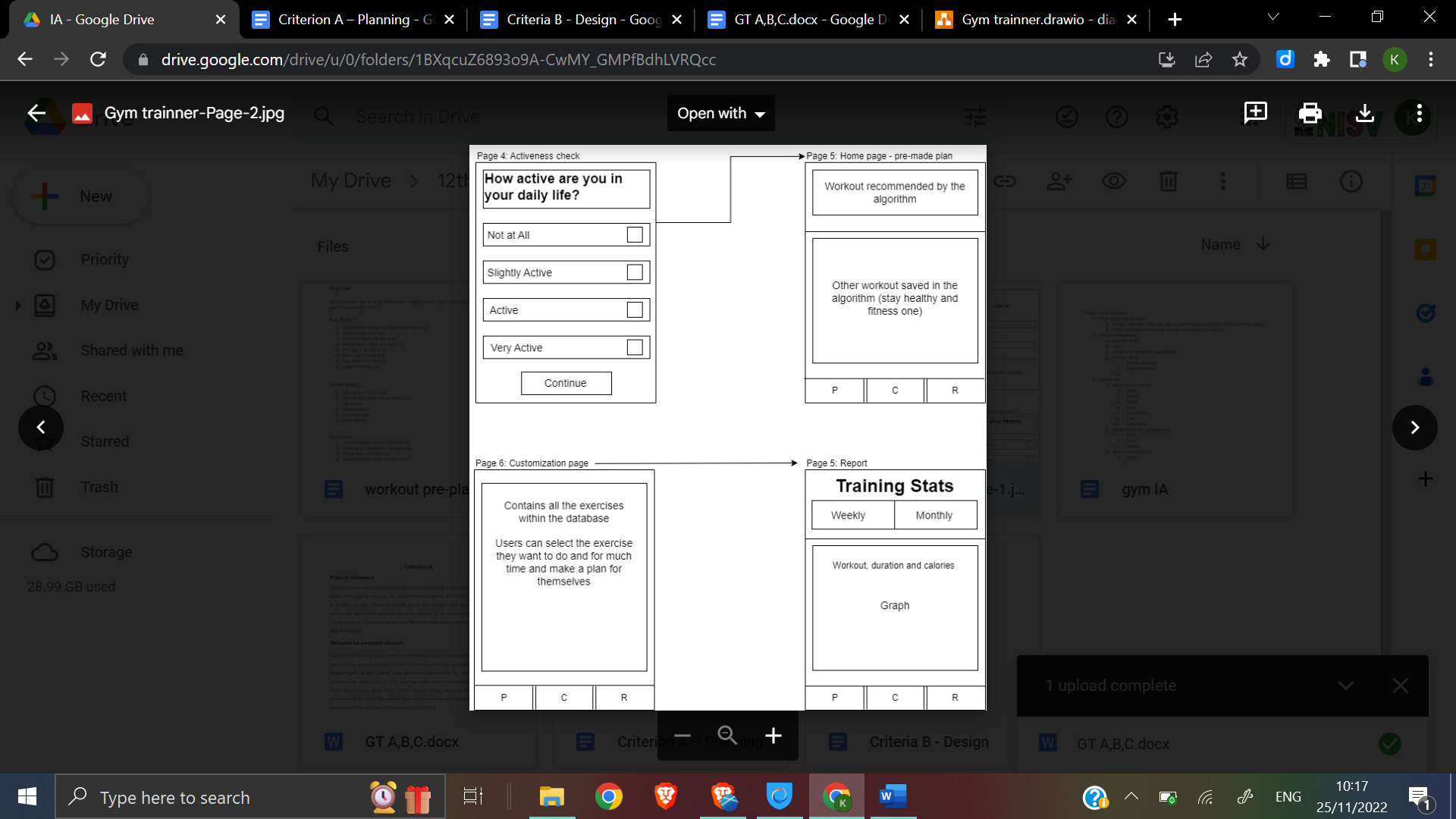
# CRITERION B: DESIGN

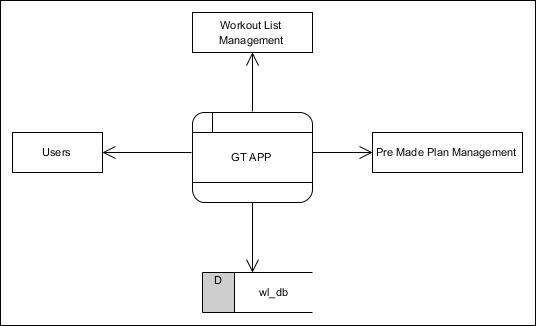
Planned GUI design and basic illustration of System Flow



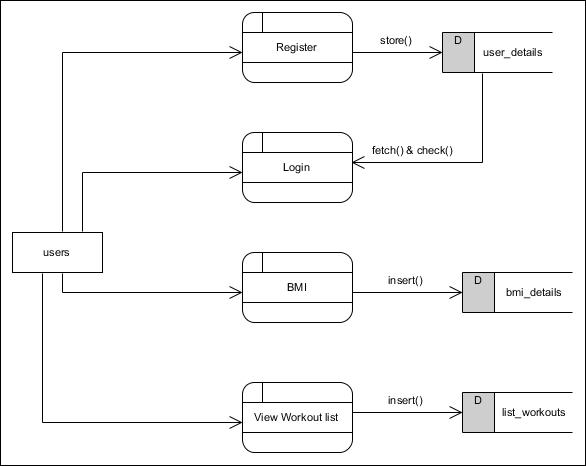


Data Flow Diagram (DFD)

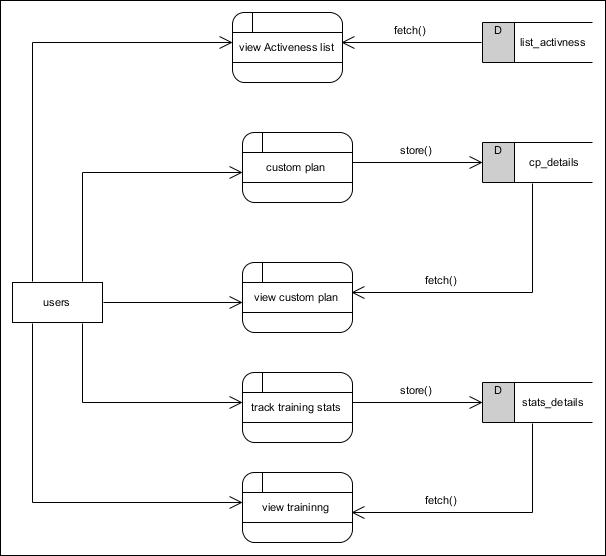
1. Level 0

****

1. Level 1

****

1. Level 2

****

Database Tables for Firebase:

Table: Registration Details

| R\_Details | | | | |
| --- | --- | --- | --- | --- |
| Sr. no | Field name | Type | Constraint | Size |
| 1 | u\_Id | Int | Primary key |  |
| 2 | u\_Name | varchar |  | 240 |
| 3 | u\_Email | varchar |  | 240 |
| 4 | u\_Contact\_no | Int |  |  |
| 5 | u\_Username | varchar |  | 240 |
| 6 | u\_Password | varchar |  | 240 |

Table: BMI Details

| B\_Details | | | | |
| --- | --- | --- | --- | --- |
| Sr. no | Field name | Type | Constraint | Size |
| 1 | b\_Id | Int | Primary key |  |
| 2 | b\_age | int |  |  |
| 3 | b\_gender | varchar |  | 240 |
| 4 | b\_height | double |  |  |
| 5 | b\_weight | double |  |  |
| 6 | b\_result | double |  |  |
| 7 | u\_id | Int | Foreign key |  |

Table: Work out Details

| w\_Details | | | | |
| --- | --- | --- | --- | --- |
| Sr. no | Field name | Type | Constraint | Size |
| 1 | w\_Id | Int | Primary key |  |
| 2 | w\_name | varchar |  | 240 |
| 3 | w\_reps | Int |  |  |

Table: Custom Plan

| c\_plan | | | | |
| --- | --- | --- | --- | --- |
| Sr. no | Field name | Type | Constraint | Size |
| 1 | w\_Id | Int | Primary key |  |
| 2 | w\_name | varchar |  | 240 |
| 3 | w\_reps | Int |  |  |
| 4 | u\_id | Int | Foreign key |  |

Table: Training stats

| Ts\_details | | | | |
| --- | --- | --- | --- | --- |
| Sr. no | Field name | Type | Constraint | Size |
| 1 | s\_Id | Int | Primary key |  |
| 2 | S\_date | date |  |  |
| 3 | S\_duration | time |  |  |
| 4 | u\_id | Int | Foreign key |  |

UML Diagram (Use case diagram):

