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FAST-NUCES, LAHORE CAMPUS

WORKOUT APPLICATION

Project Proposal for Advanced Programming

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| --- | --- | --- | --- |
| **APIs** | **TYPE** | **REQUEST** | **RESPONSE** |
| Log-In | GET | {  “username”: “abc”  “password”: “123”  } | {  “status1”: 200  “msg1”: “log-in successful”  “status2”: 100  “msg2”: “log-in failed”  } |
| Sign-Up | POST | {  “username”: “abc”  “password”: “123”  “weight”: 75  “height”: 5.8  } | {  “status1”: 200  “msg1”: “registered successful”  “status2”: 100  “msg2”: “incorrect inputs”  } |
| Add Reminder | POST | {  “subject”: “biceps”  “date”: 2/3/2019  } | {  “status1”: 200  “msg1”: “reminder added”  “status2”: 100  “msg2”: “reminder failed”  } |
| Delete Reminder | DELETE | {  “username”: “abc”  “password”: “123”  “weight”: 75  “height”: 5.8  } | {  “status1”: 200  “msg1”: “reminder deleted”  } |
| Load Reminders | GET | {  “username”: “abc”  } | {  “status1”: 200  “msg1”: “loading successful”  “status2”: 100  “msg2”: “failure to load”  } |
| Change Password | PATCH | {  “current password”: “123”  “new password”: “456”  } | {  “status1”: 200  “msg1”: “update successful”  “status2”: 100  “msg2”: “update failed”  } |
| Change Username | PATCH | {  “new username”: “Saadi”  } | {  “status1”: 200  “msg1”: “update successful”  “status2”: 100  “msg2”: “update failed”  } |
| Edit Weight | PATCH | {  “weight”: 80  } | {  “status1”: 200  “msg1”: “update successful”  “status2”: 100  “msg2”: “update failed”  } |
| Edit Height | PATCH | {  “height”: 5.7  } | {  “status1”: 200  “msg1”: “update successful”  “status2”: 100  “msg2”: “update failed”  } |
| Load Goals | GET | {  “username”: “Saadi”  } | {  “status1”: 200  “msg1”: “loading successful”  “status2”: 100  “msg2”: “failure to load”  } |
| Load Reports | GET | {  “username”: “Saadi”  } | {  “status1”: 200  “msg1”: “loading successful”  “status2”: 100  “msg2”: “failure to load”  } |
| Load Settings | GET | {  “username”: “Najam”  } | {  “status1”: 200  “msg1”: “loading successful”  “status2”: 100  “msg2”: “failure to load”  } |

**Description:**

Developing APIs for an application which sets goals and a workout routine for the user and keeps track of weight loss. Reminders can also be added.

**NOTE: We still have to decide on whether to consume the APIs through Android or a desktop application.**