

Software Engineering Group Assignment-02

System Modeling

Group Members:

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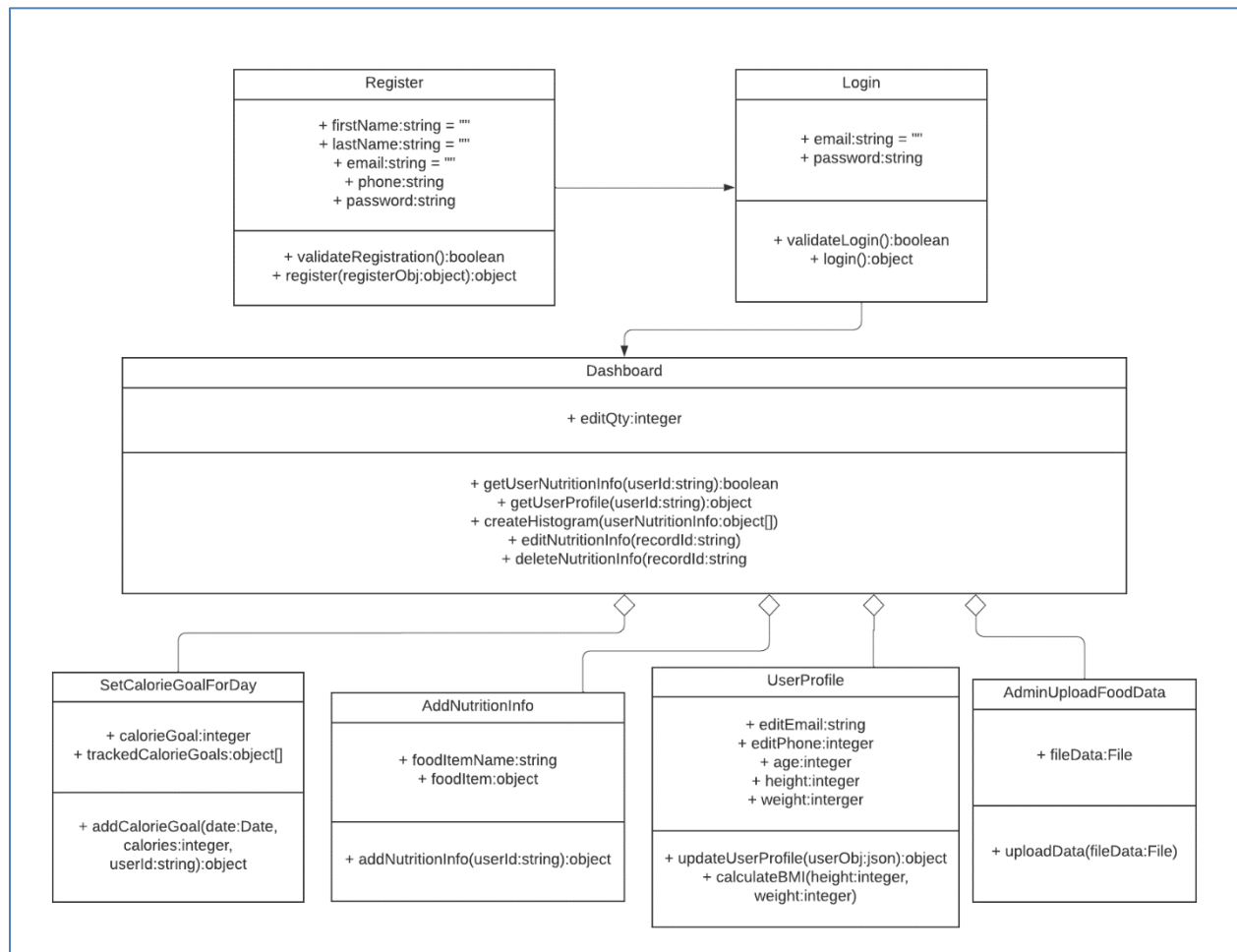
Sai Nikhil Attili (attis01)

Sudhanshu Marimganti (sudhm01)

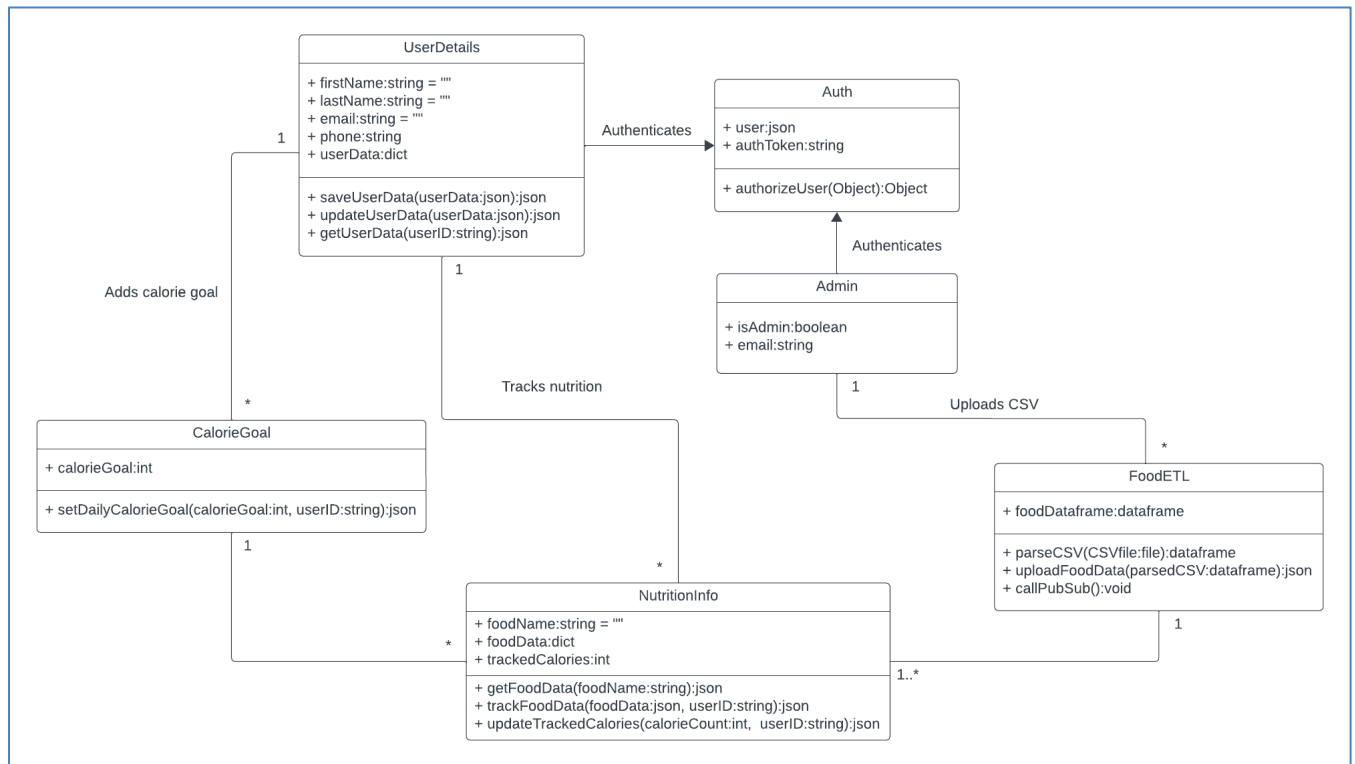
Abhinav Narayana Kapa (kapaa01)

1. Class Diagrams

Client side:

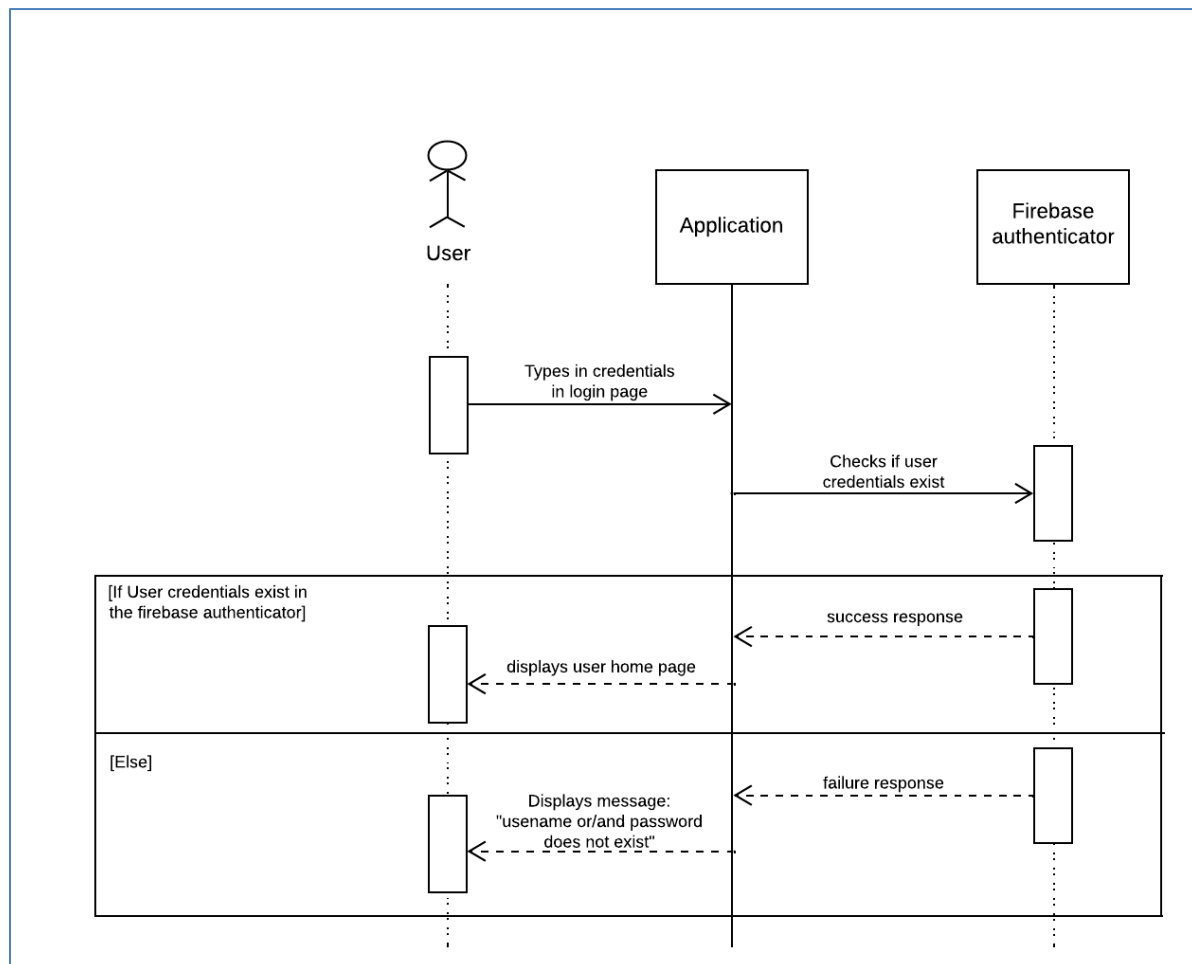


Server side:

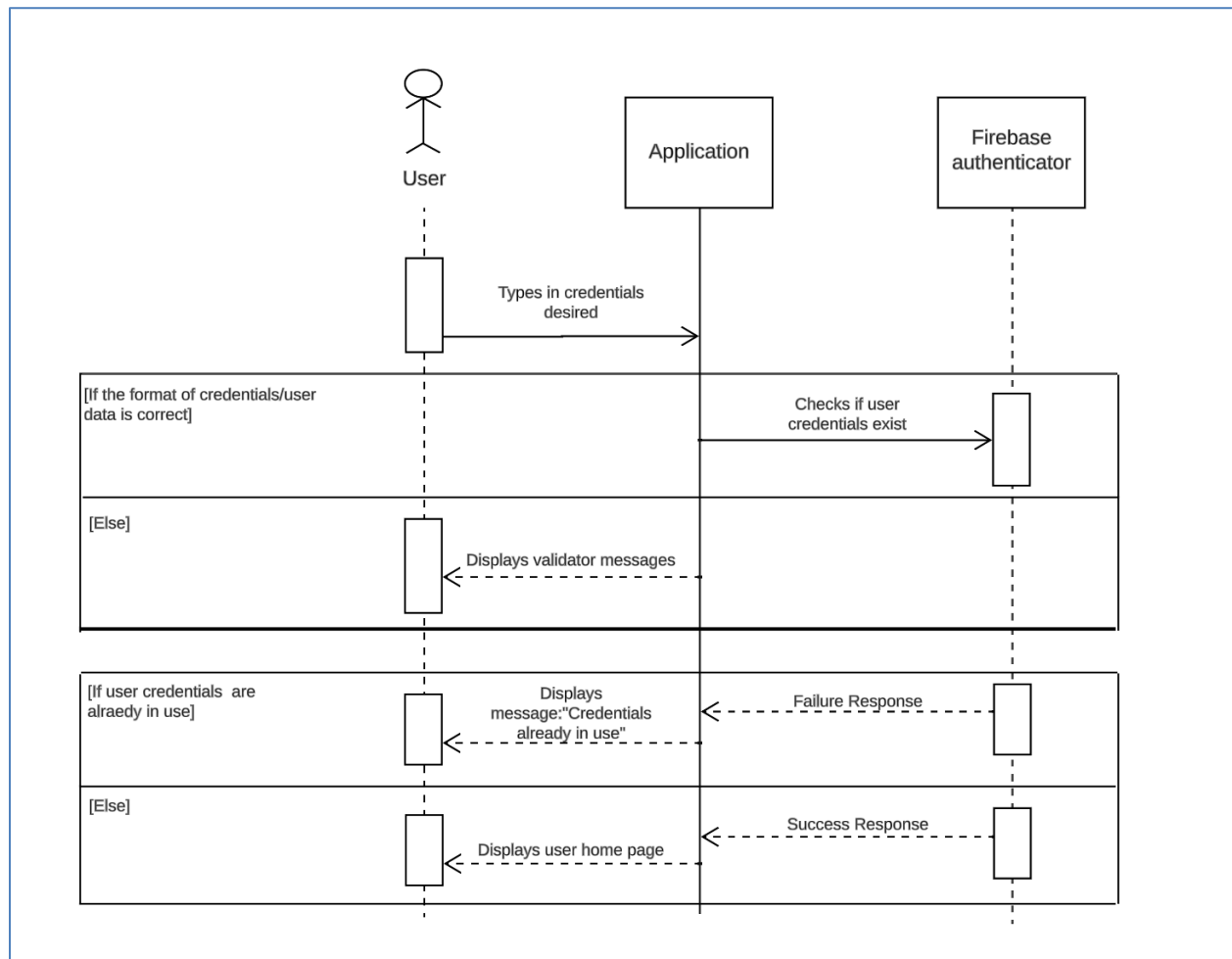


2. Sequence Diagrams

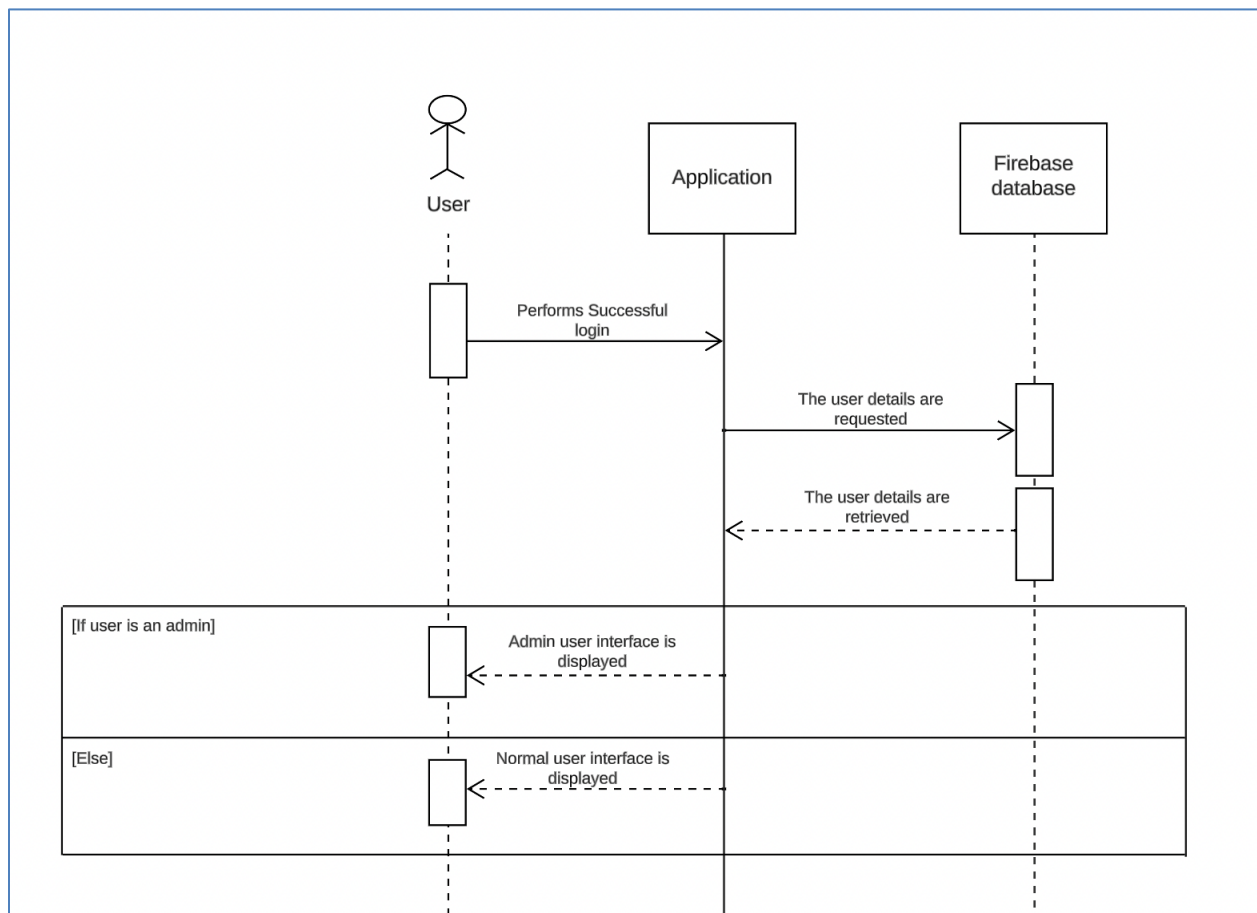
1. Authenticating and Logging in users:



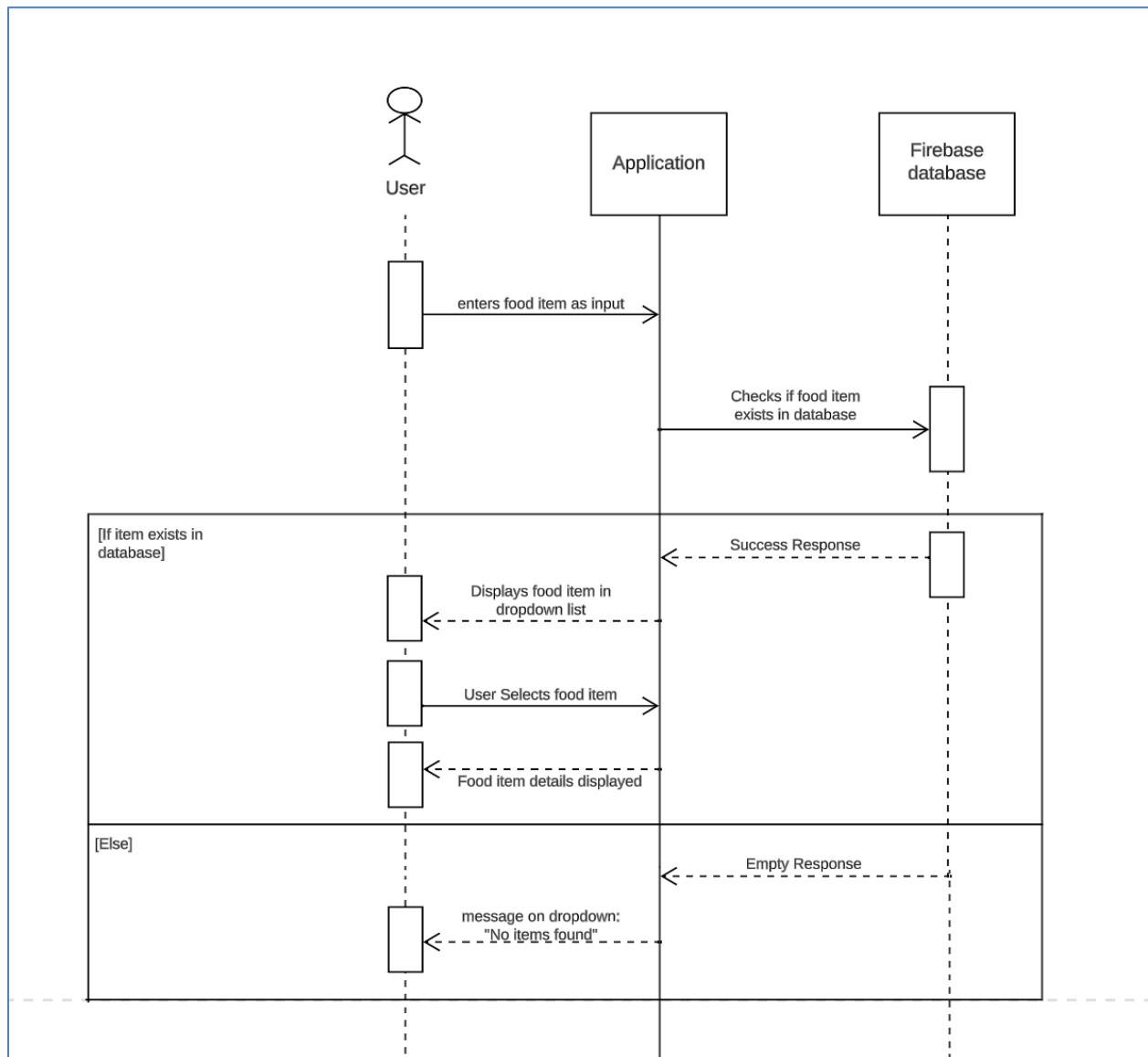
2. Registering a User:



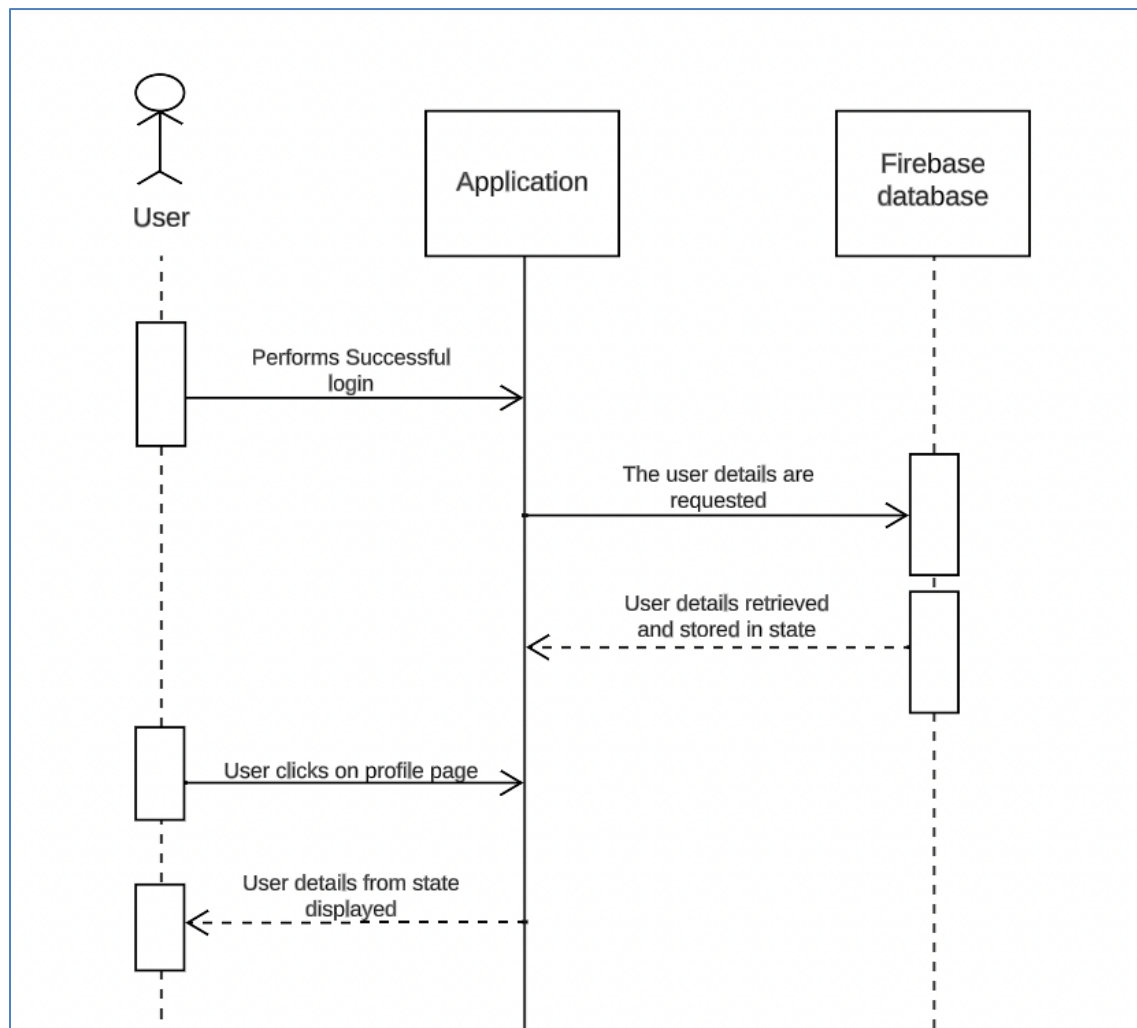
3. Changing user interface based on user type:



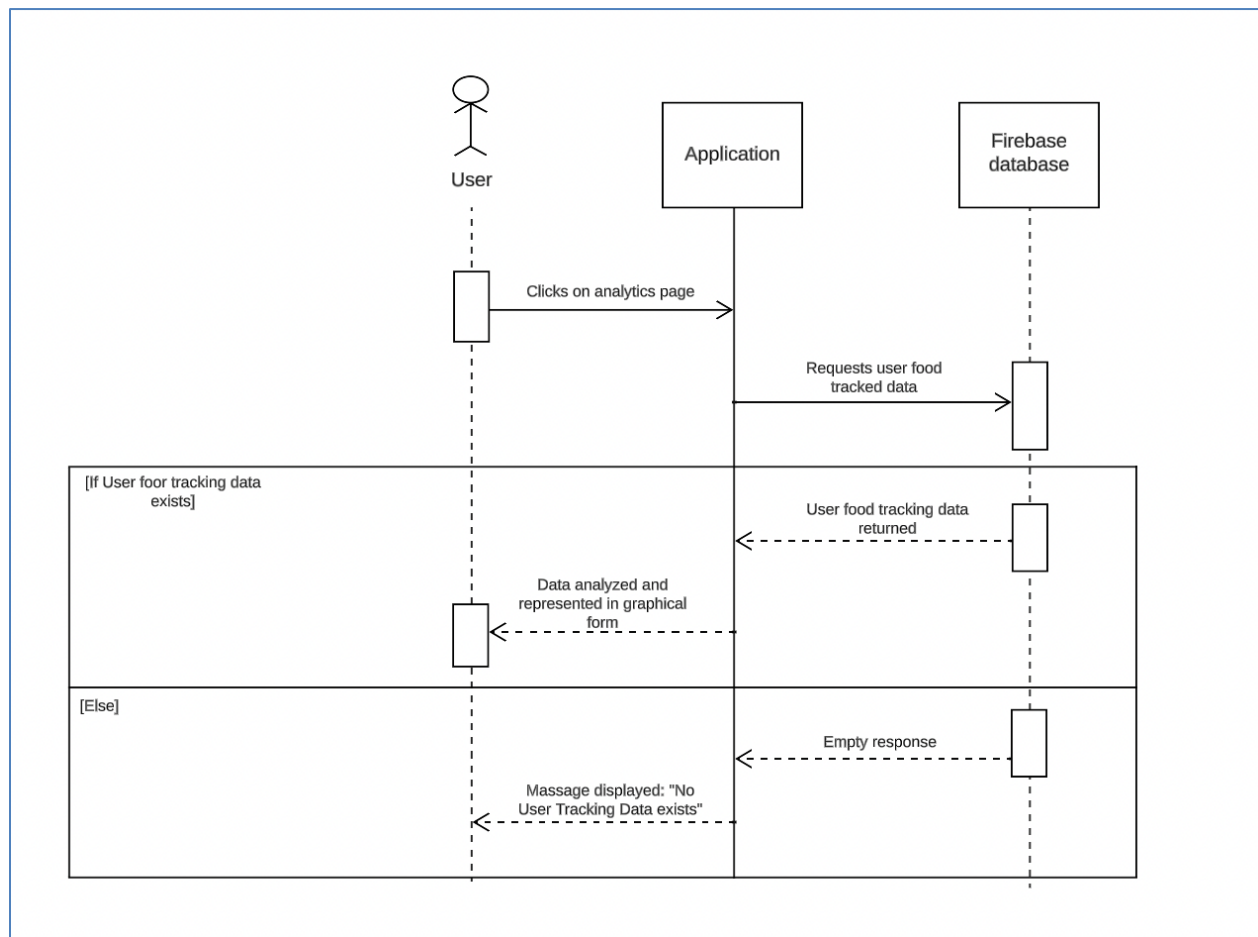
4. Attaining food nutritional values and calorie count:



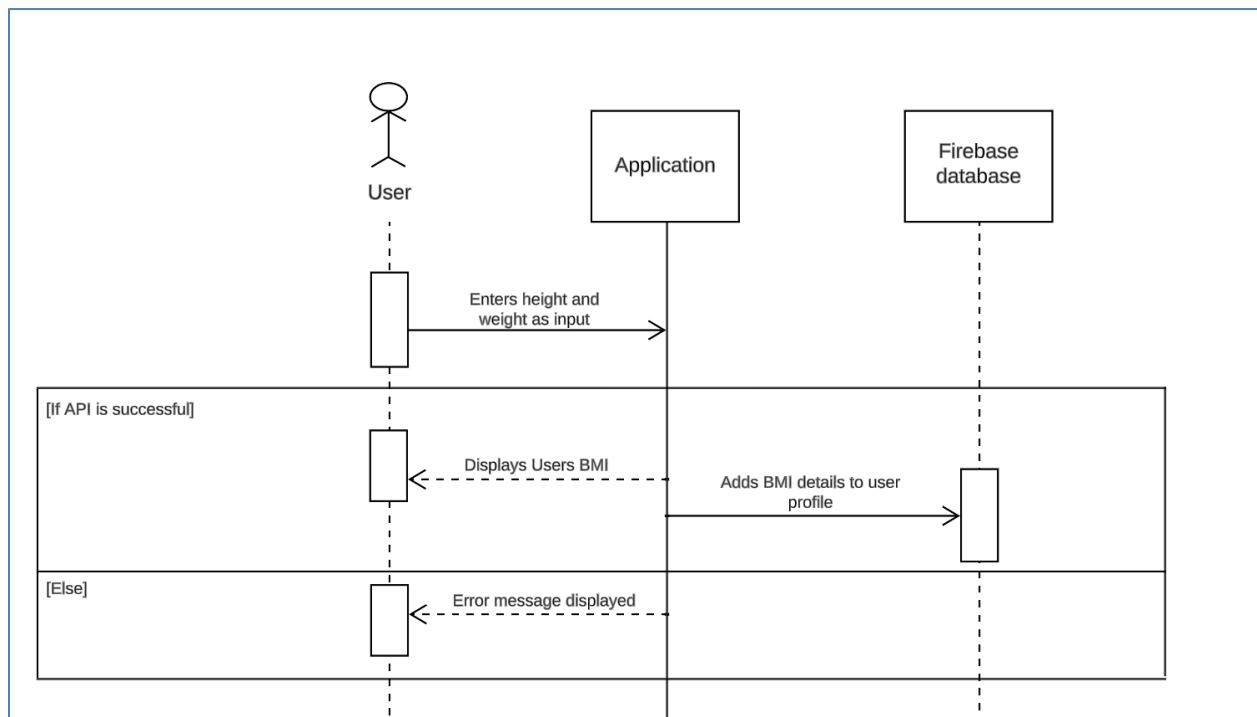
5. View user profile:



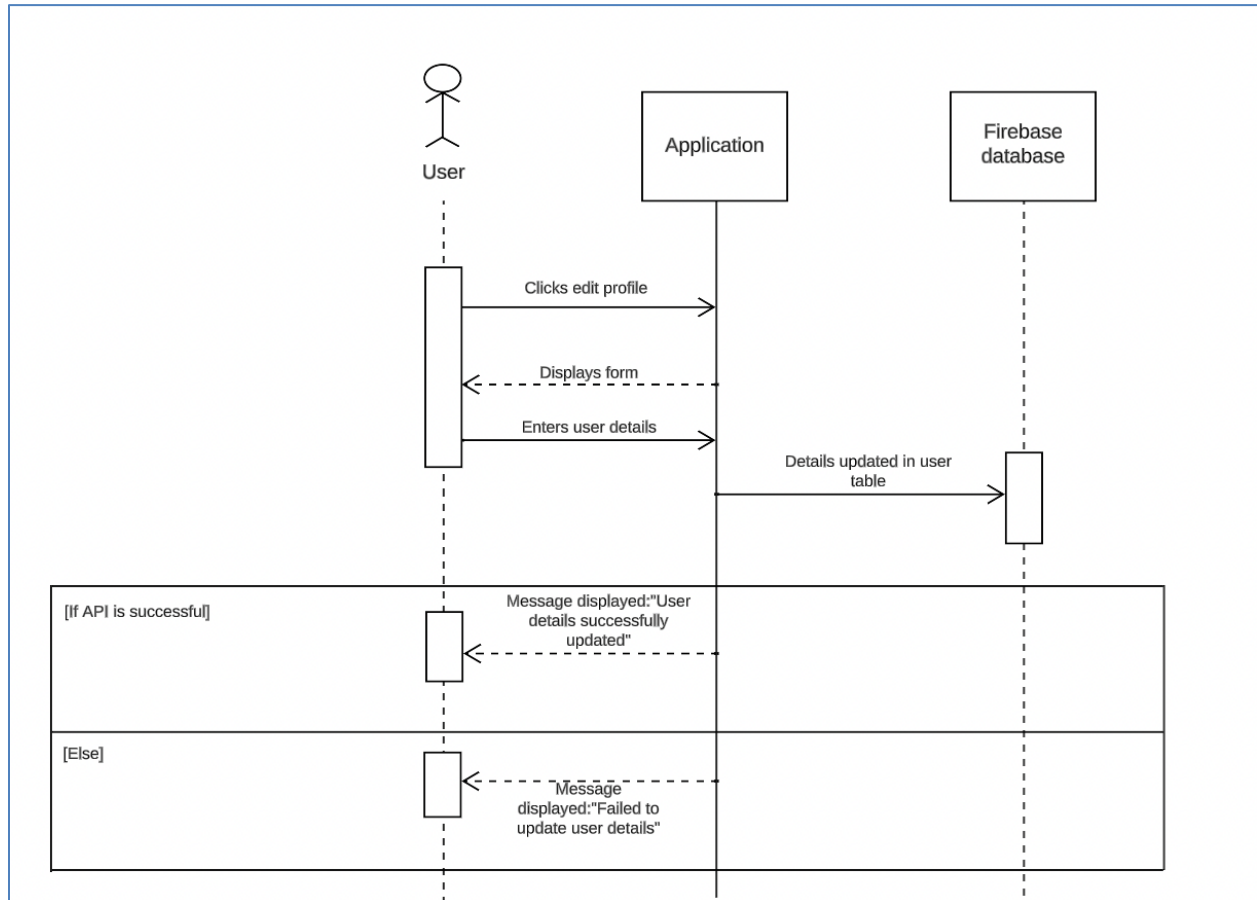
6. Graphical representation of calorie-goal analytics:



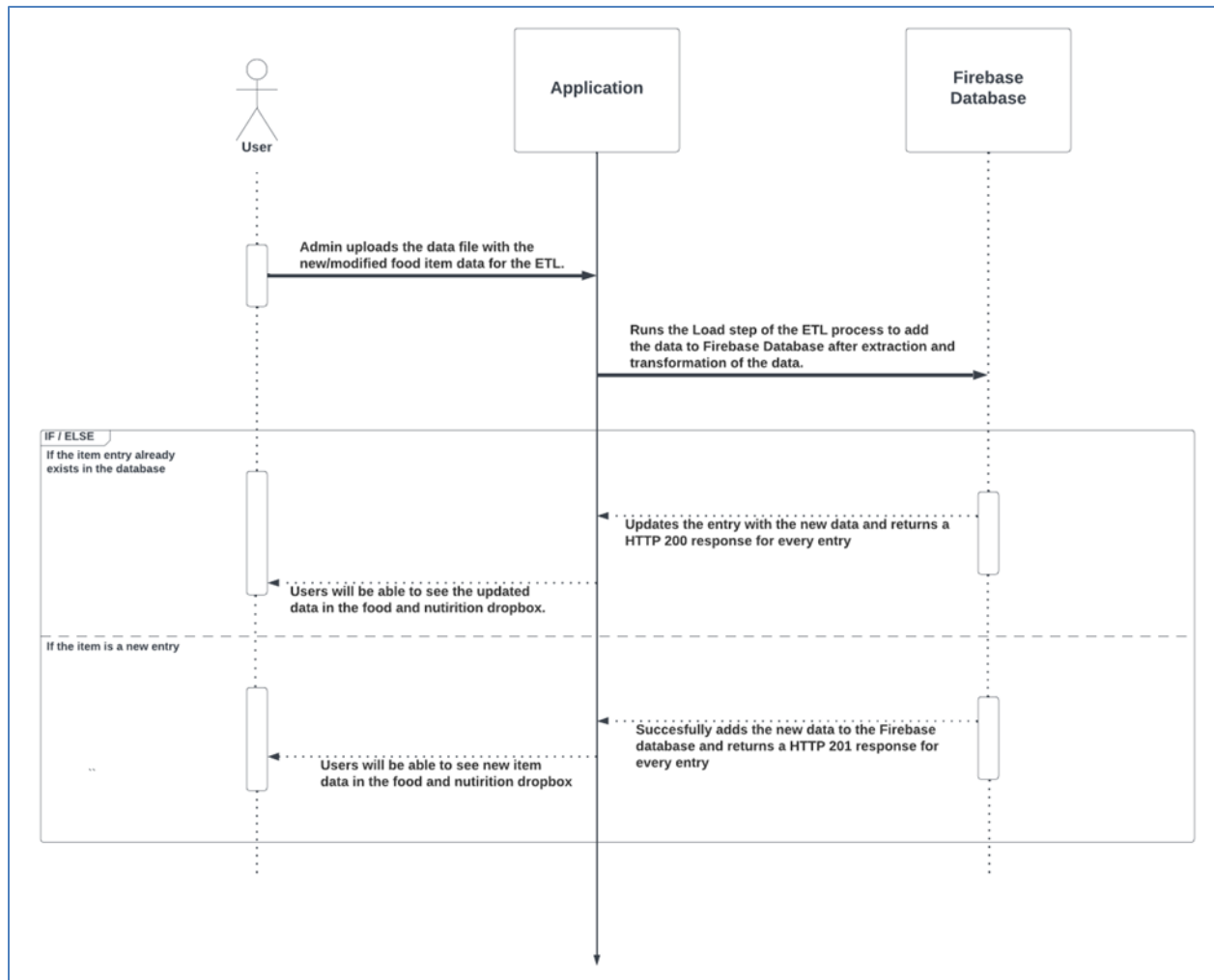
7. Calculating Body Mass Index based on user input data:



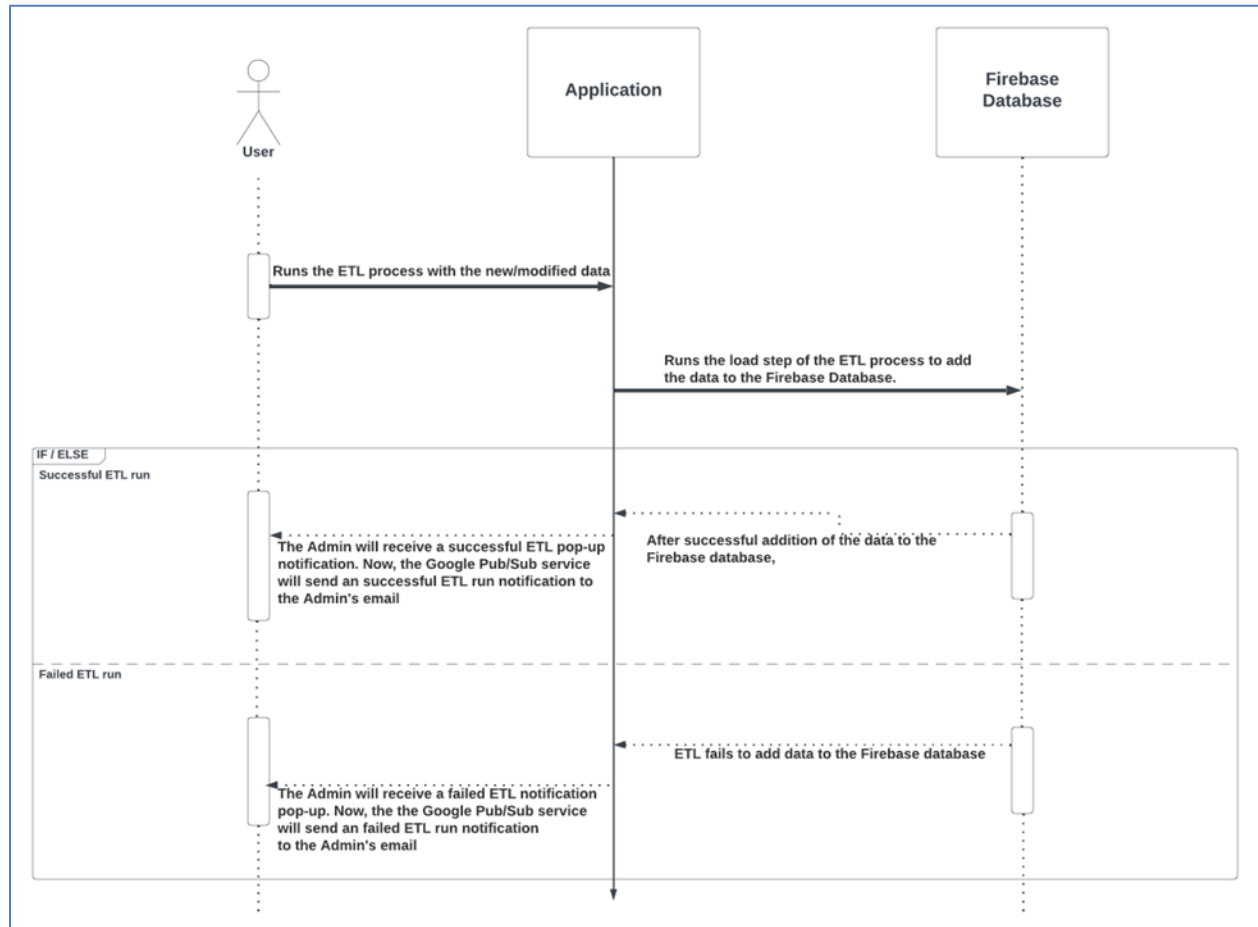
8. Update user information:



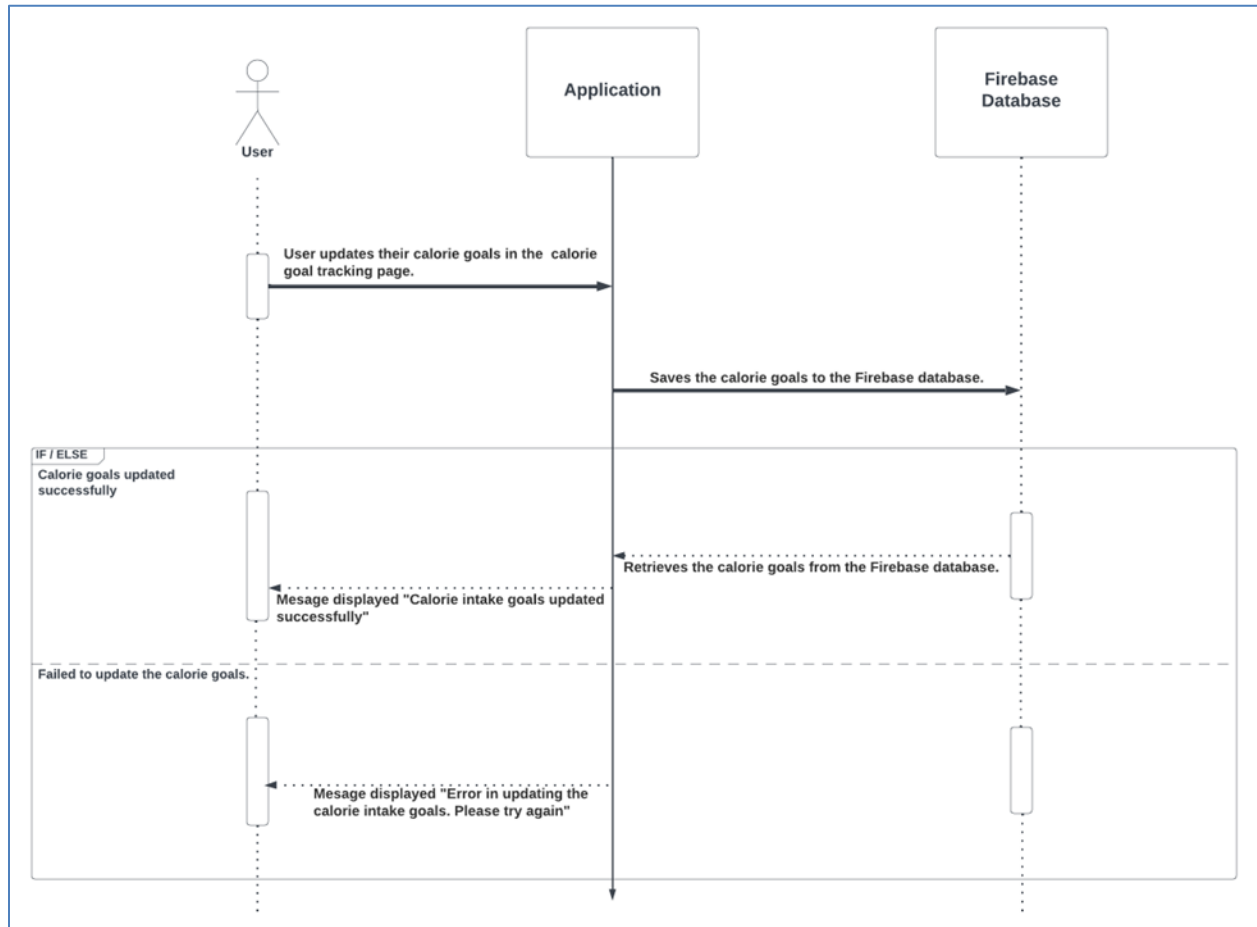
9. ETL of food data:



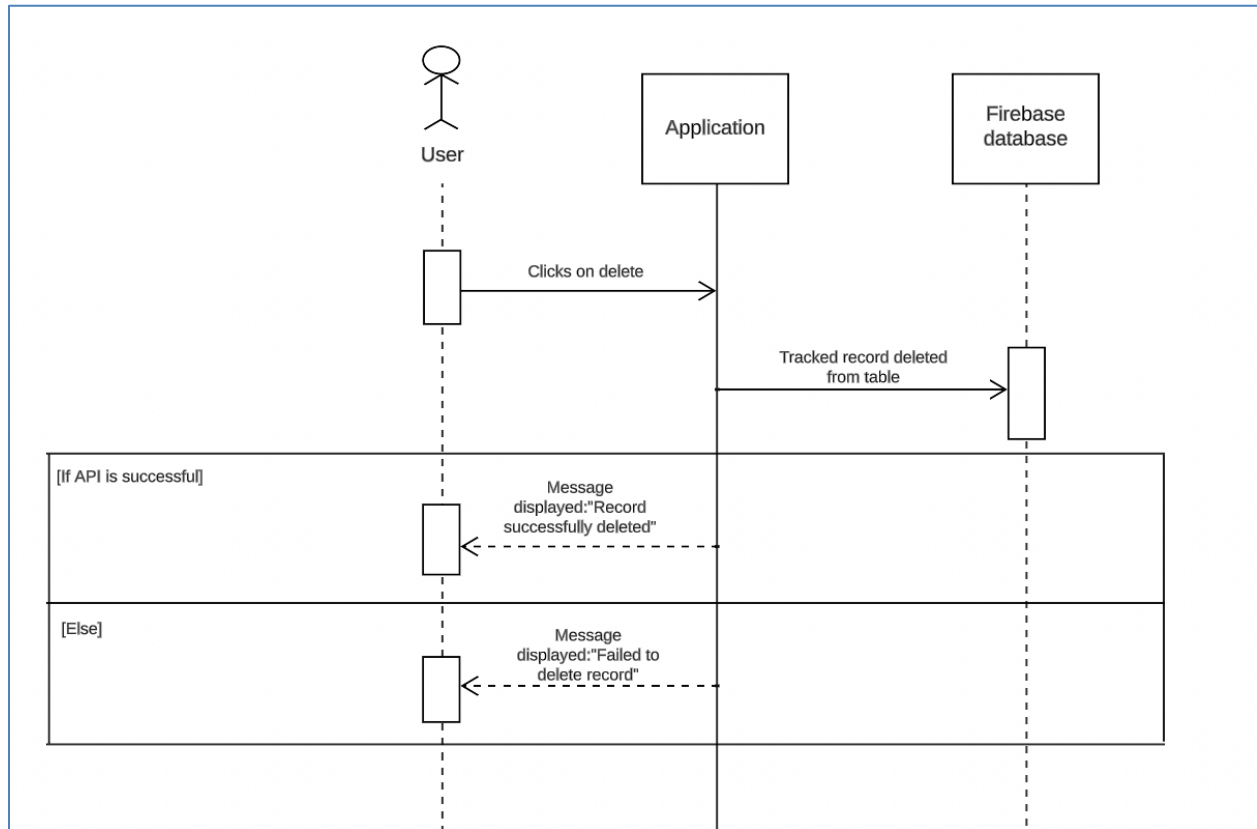
10. Notification pipeline:



11. User goal tracking:



12. Delete tracked data:



3. System architecture diagram showing the front-end and back-end interactions

