Technical Documentation: Database Management (Group 13)

Connections

There is a Central database called GeneralUserDB that has details of all the users who have singed up at our platform. Its linked via one field each to fours other databases -

1. MobilePlanDB : Stores details of all mobile plans provided by us

2. TvPlanDB : Stores details of all TV plans provided by us

3. InternetPlan: Stores details of all internet plans provided by us

4. UserRequestDB: Stores all the requests made by different users to add money into their wallet
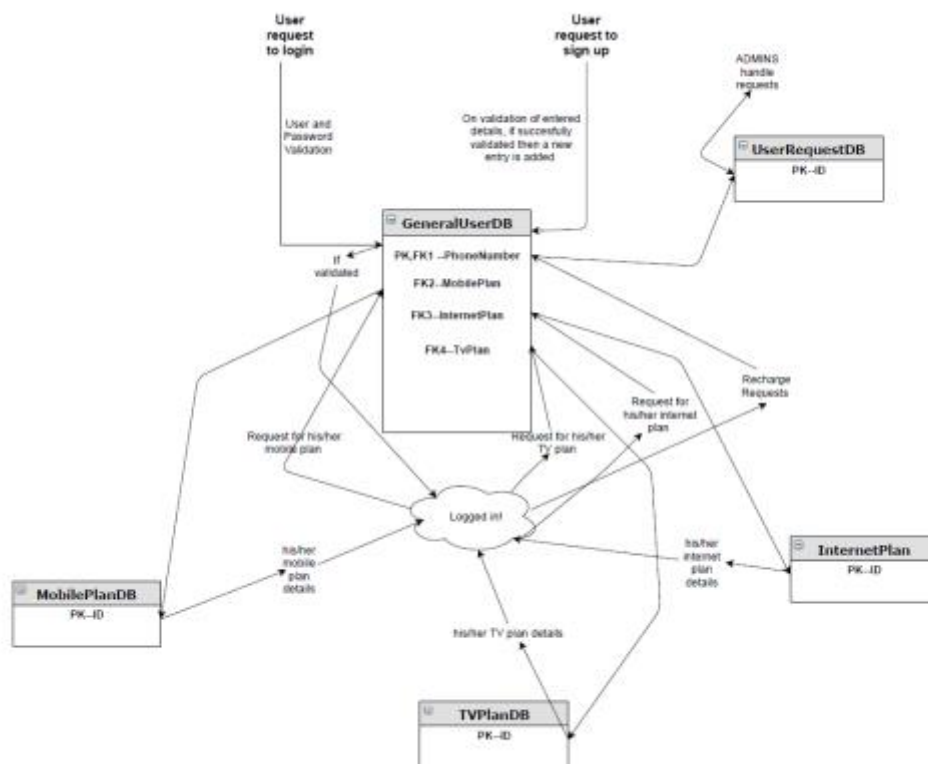
To get/edit any user detail(say his mobile plan) , you need to first find the relevant field in GeneralUserDB(MobilePlan in this case) and then access the relevant database(MobilePlanDB in this

case) and then perform the final action in this database(say fetch his mobileplan by searching for plan with ID= MobilePlan)

A graphic model for the same

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1 - Not all fields of each database have been shown. Only those that help us show connections have been shown here.

Database Management | Fields Explained

- GeneralUserDB

    - 1. PhoneNumber : It is the users mobile number . It is taken as primary key .

    - 2. First Name : It is the user's first name .

    - 3. Second Name : It is the user's second name .

    - 4. User Name : It is the user's username .

    - 5. Password : It is the user's password .

- 6. TBalance : It is the user's total wallet balance available .

- 7*. MobilePlan : It is the users mobile plan .

- 8*. InternetPlan : It is the users internet plan .

- 9*. Tv Plan : It is the user's televison plan .

- 10. DOB : It is the user's Date Of Birth .

- 11. Country : It is the user's Country name.

- 12. Aadhar : It is the user's Aadhar number.

- 13. PAN : It is the user's PAN number.

- 14. Address : It is the user's address .

- 15. StartDateofMobilePlan : It is the user's start date of recent mobile plan .

- 16. StartDateofInternetPlan : It is the user's start date of recent internet plan .

- 17. StartDateofTvPlan : It is the user's start date of recent tv plan .

- **MobilePlanDB**

  - 1. ID : It is the id number of plan . It is taken as primary key.

  - 2. Type : It describes the type of plan **(Prepaid / Postpaid)**

  - 3. Cost : It describes the cost of the plan user selected.

  - 4. PlanName : It describes the name of the selected plan.

  - 5. Description : It describes the plan details.

  - 6. TT_ balance : It is the total talktime given for the plan.

  - 7. M_balance : It is the total message balance given for the plan.

  - 8. Net_balance : It is the net balance (in GB) given for the plan.

  - 9. Validity period : It is the period for which the plan is valid.

  - 10*. Net_MB : It is the net balance (in MB) given for the plan.

- **InternetPlans DB**

  - 1. ID : It is the id number of plan . It is taken as primary key.

  - 2. Type : It describes the type of plan **(Prepaid / Postpaid).**

  - 3. PlanName : It describes the name of the selected plan.

  - 4. Description : It describes the plan details.

  - 5. Cost : It describes the cost of the plan user selected.

- 6. Speed : It is the average net speed for the selected plan.

- 7. DataLimit : It is the data limit given for the plan.

- 8. Validity : It is the period for which the plan is valid.

- Tv Plans DB

  - 1. ID : It is the id number of plan . It is taken as primary key.

  - 2. Type : It describes the type of plan **(Prepaid / Postpaid).**

  - 3. Cost : It describes the cost of the plan user selected.

  - 4. PlanName : It describes the name of the selected plan.

  - 5. Validity : It is the period for which the plan is valid.

  - 6. Description : It describes the plan details.

  - 7. AvailableChannels : It is an image , which briefly gives a view of channels in plan .

- Directory DB

  - 1. ID : It is taken as primary key.

  - 2. State : It is the state to which the mobile number belongs .

  - 3. Operator : It denotes the operator to which the mobile number belongs .

  - 4. Mobile Number : It is the mobile number of registered users who belongs to the respective state and operator .

- UserRequest DB

  - 1.ID : It is the primary key . It is used for recognising a request

  - 2. Phone Number : It is the mobile number of the user who has requested .

  - 3. Amount Requested : It is the amount that the user has requested to be added to his wallet.

  - 4. Date : It describes the date of request from user .

Team Details

1. *Utkarsh Mishra : Group Leader, Back end and Documentation*

2. *Ravi Shankar : Database Management and Back End*

3. *Pranay Garg : GUI and UX enhancement*

4. *Hardik Katyal : UX enhancement and Back End*

5. *Devansh Gupta : GUI and Documentation*

6. *Sai Kiran Nagullapalli : Database Enhancement*