

## Current Info and Monthly Bill Facts

- this demo app provides the user with details of the current information (what amount of service is left until the end of the month) .
- generates monthly bill facts for the previous month (at the beginning of each month the application automatically generates **monthly bills** for the previous month). These data are recorded in the db table `monthly_bill_facts`

total monthly price = package price + d\*(add-on service price)

where the parameter d is:

d=0 without add-on service

d=1 add-on service on demand(request)

- Monthly bills are generated for postpaid customers only.

## Current Info and Monthly Bill Facts

- we can calculate how much of a particular service is left until the end of the month:

$$\text{left(remaining) amount} = \text{total\_input\_amount} - \text{current\_output\_amount}$$

for a specific service:

$$\text{total\_input\_amount} = (\text{amount of service within the package frame}) + d * (\text{amount of add-on service})$$

where the parameter  $d$  is:

$d=0$  without add-on service

$d=1$  add-on service on demand(request)

current output amount = sum of all amounts, calculated from the SDR data related to this specific service and specific phone, from the beginning of the current month until the current moment.