**Telecom billing system(UML diagram) No:38**

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| User |
| Attributes:  - userID: int  - name: string  - phoneNumber: string |
| Operators():  + register(): void  + updateProfile(): void |

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| Account |
| Attributes:  - accountID: int  - balance: float  - user: User |
| Operators():  + addBalance(amount: float): void  + deductBalance(amount: float): void |

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| Service |
| Attributes:  - serviceID: int  - serviceName: string  - description: string  - costPerMonth: float |
| Operators():  + activateService(): void  + deactivateService(): void |

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| Billing system |
| Attributes:  - users: List<User>  - accounts: List<Account>  - services: List<Service> |
| Operators():  + generateInvoice(user: User, service: Service, amount: float): Invoice  + processPayment(user: User, amount: float): Payment |

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| Invoice |
| Attributes:  - invoiceID: int  - amount: float  - user: User  - service: Service |
| Operaters():  + print(): void |

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| Payment |
| Attributes:  - paymentID: int  - amount: float  - user: User |
| Operators():  + record(): void |

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| Package |
| Attributes:  - packageID: int  - packageName: string  - services: List<Service> |