Entitäten

Expense

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| ID | Ausgabe-Wert | Ausgabe-Grund | Ausgabe-Datum | Ausgabe-OriginalWert | Ausgabe-OriginalWährung | Umrechnungskurs | Tags |
|  |  |  |  |  |  |  |  |

Tag

|  |  |
| --- | --- |
| ID | Tag-Name |
| 1 | Bargeld |
| 2 | Lebensmittel/ Haushalt |
| 3 | Monatliche Fixkosten |
| 4 | Jährliche Fixkosten |
| 5 | Wohnen |
| 6 | Wocheneinkauf |
| 7 | Mobilität |
| 8 | Medien |
| 9 | Versicherung |
| 10 | Sonstiges |

Income

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ID | yearlyGrossPrice | yearlyGrossPriceWithoutVariablePart | MonthlyGrossPrice | MonthlyNetPrice |
|  |  |  |  |  |

Services

Expense

**Add(Expense)** (Implementation Hint: Je nach Tag)

**AddStandardExpense(Expense)**

**AddMonthlyFixExpense(Expense)**

**AddYearlyFixExpense(Expense)**

**Edit (functional Key == technicalKey?, Expense)**

**Delete(functional Key == technicalKey?)**

**getAllExpenses()**

**getExpensesBySearchCriteria(SearchCriteria)** (Implementation Hint: Date|Month & Tag)

**calculateTotalExpense(Month, Tag)**

**compareMonthlyExpenses(month1, month2)**

**compareMonthlyExpensesByTag(month1, month2, Tag)**

Exchange

**getAllCurrencies()**

**getExchangeValue(Currency)**

**getPriceInDefaultCurrency(expense, currency)**

**getDefaultCurrency()** (Implementation Hint: Wird zu der Entität User verschoben, wenn implementiert)

Tag

**Add(name)**

**Edit(functionalKey, name)**

**Delete(functionalKey)**

**getAllTags()**

Income

**Add(yearlyGross, variable Part)**

**CalculateYearlyGrossPriceWithoutVariablePart(yearlyGross, variablePart)**

**CalculateGrossMonthlyIncome(yearlyGrossWithoutVariablePart)**

**CalculateNetMonthlyIncome(monthlyGross)**

**Edit(yearlyGross, variablePart)**

Batch

Expense-Batch

**SendMail with Overview**

**SendSms?**