VILNIUS UNIVERSITY
ŠIAULIAI ACADEMY

BACHELOR PROGRAMME SOFTWARE ENGINEERING

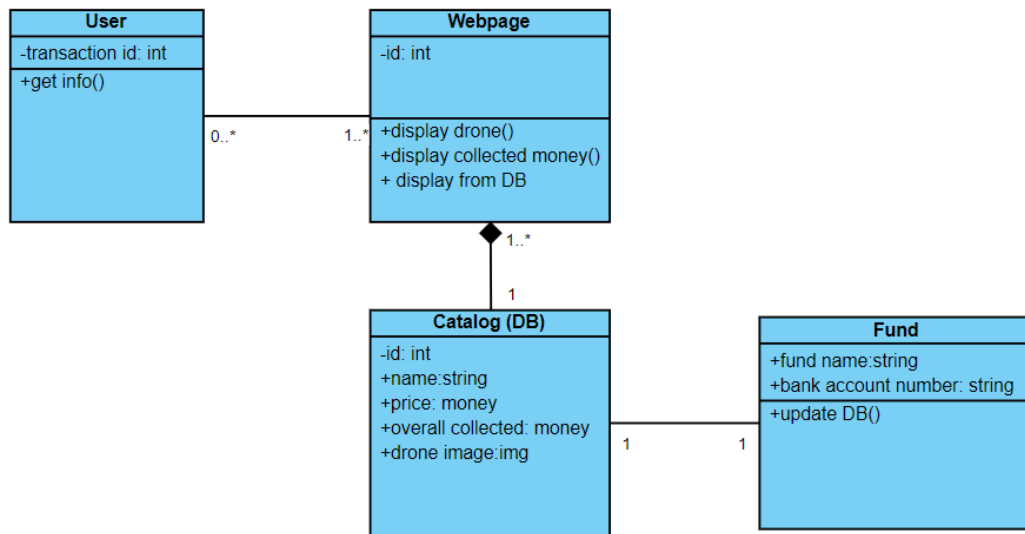Modelling in Software System Development

Entity Relationship Model (ERM)

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Šiauliai, 2024

Class Diagram for "view items" use-case

User
- -transaction id: int
- +get info()

Webpage
- -id: int
- +display drone()
- +display collected money()
- + display from DB

0..*   1..*

1..*

1

Catalog (DB)
- -id: int
- +name:string
- +price: money
- +overall collected: money
- +drone image:img

1   1

Fund
- +fund name:string
- +bank account number: string
- +update DB()

Class diagram for "make donation(payment)" use-case

User
- -transaction id: int
- +get info()

Webpage
- -id: int
- +display drone()
- +display collected money()
- + display from DB()

Transfer
- +transaction id:int
- +amount:money
- +transaction()

0..*   1..*   1..*   0..*

0..*

1

Fund
- +fund name:string
- +bank account number: string
- +update DB()

Transaction
- +transaction id:int
- +amount:money
- +transaction()

Financial Institution(bank/paypal)
- +name:string
- +code:string
- -transaction id: int
- +debit()

1   0..*   0..*   1