

Honeybee Haven



Phase II

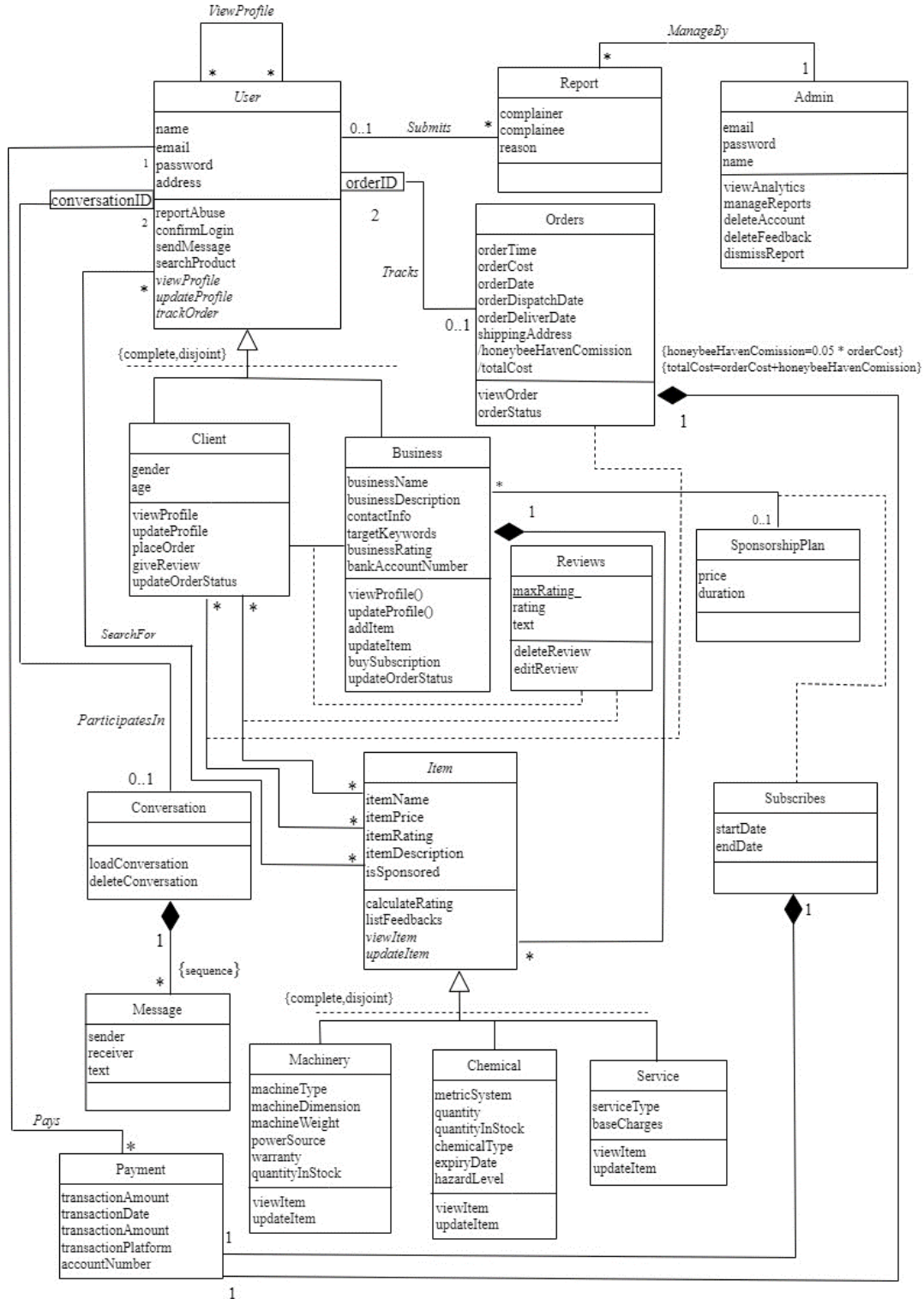
Team I

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Wajeeh Ahmed	21L-7565	DCD, DSD-15, DSD-16, DSD-17, DSD-18, DSD-19, DSD-20
Muhammad Hammad	21L-5388	DCD, DSD-22, DSD-23, DSD-24, DSD-25, DSD-26, DSD-27

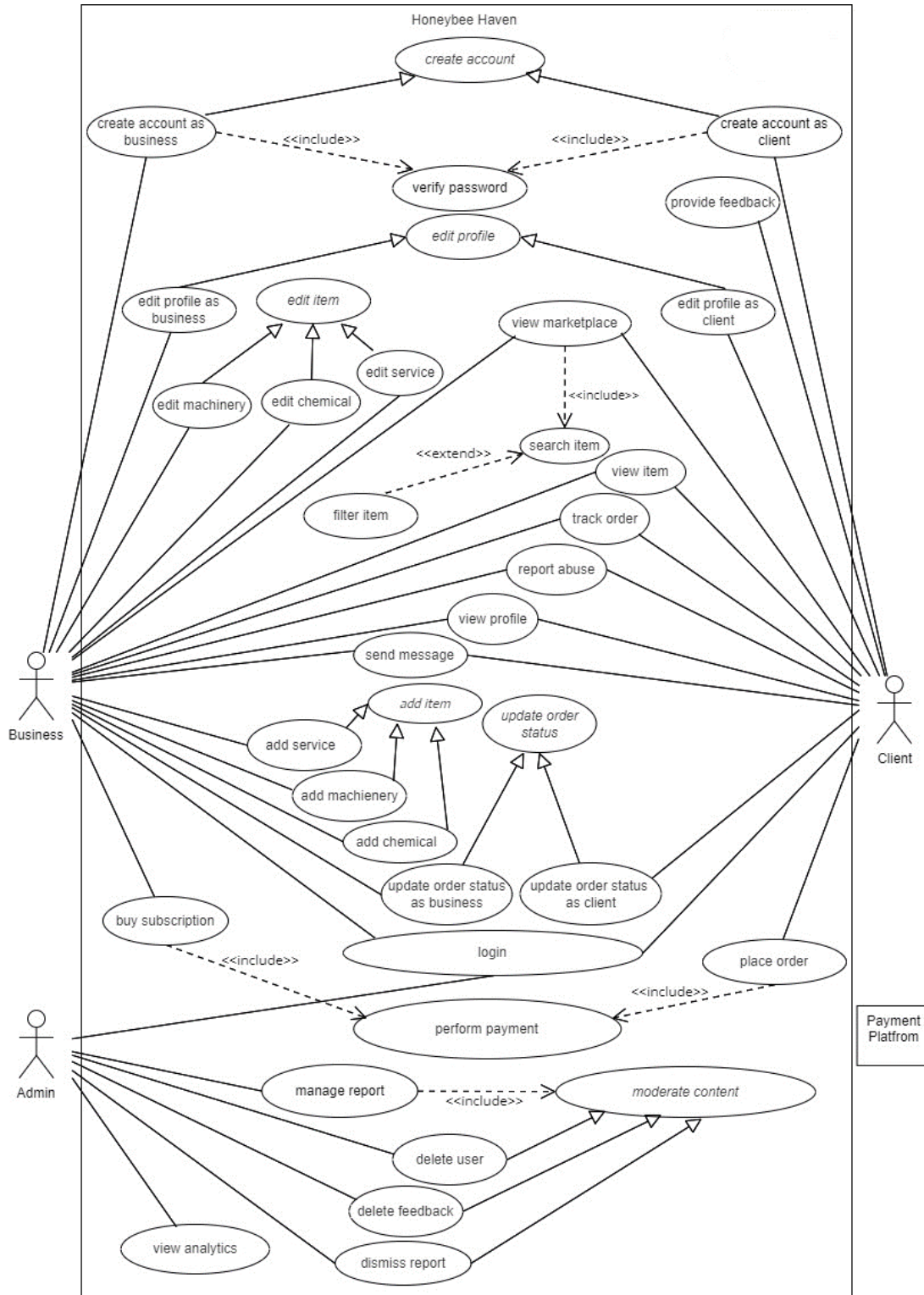
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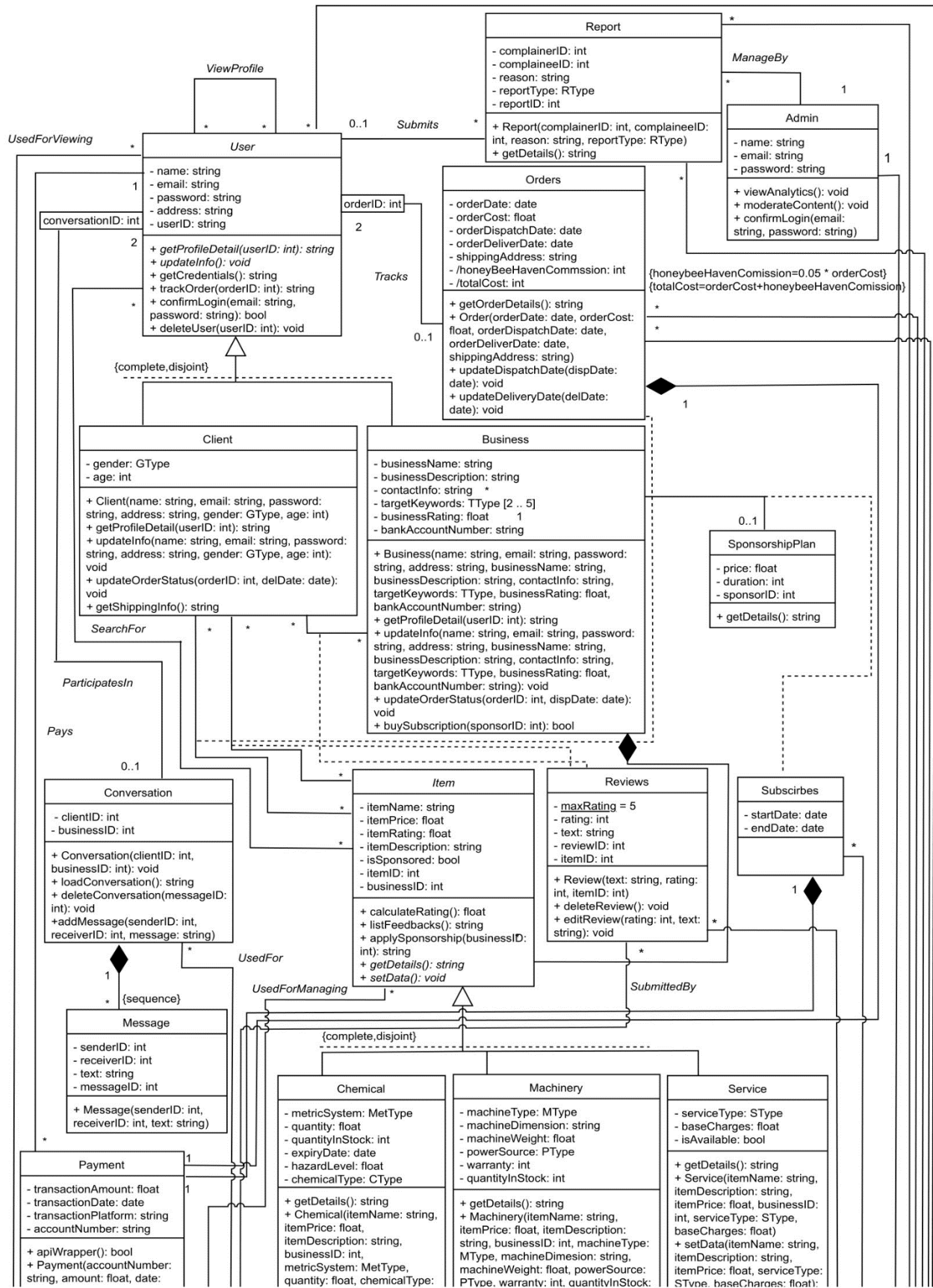
1. Analysis Class Diagram

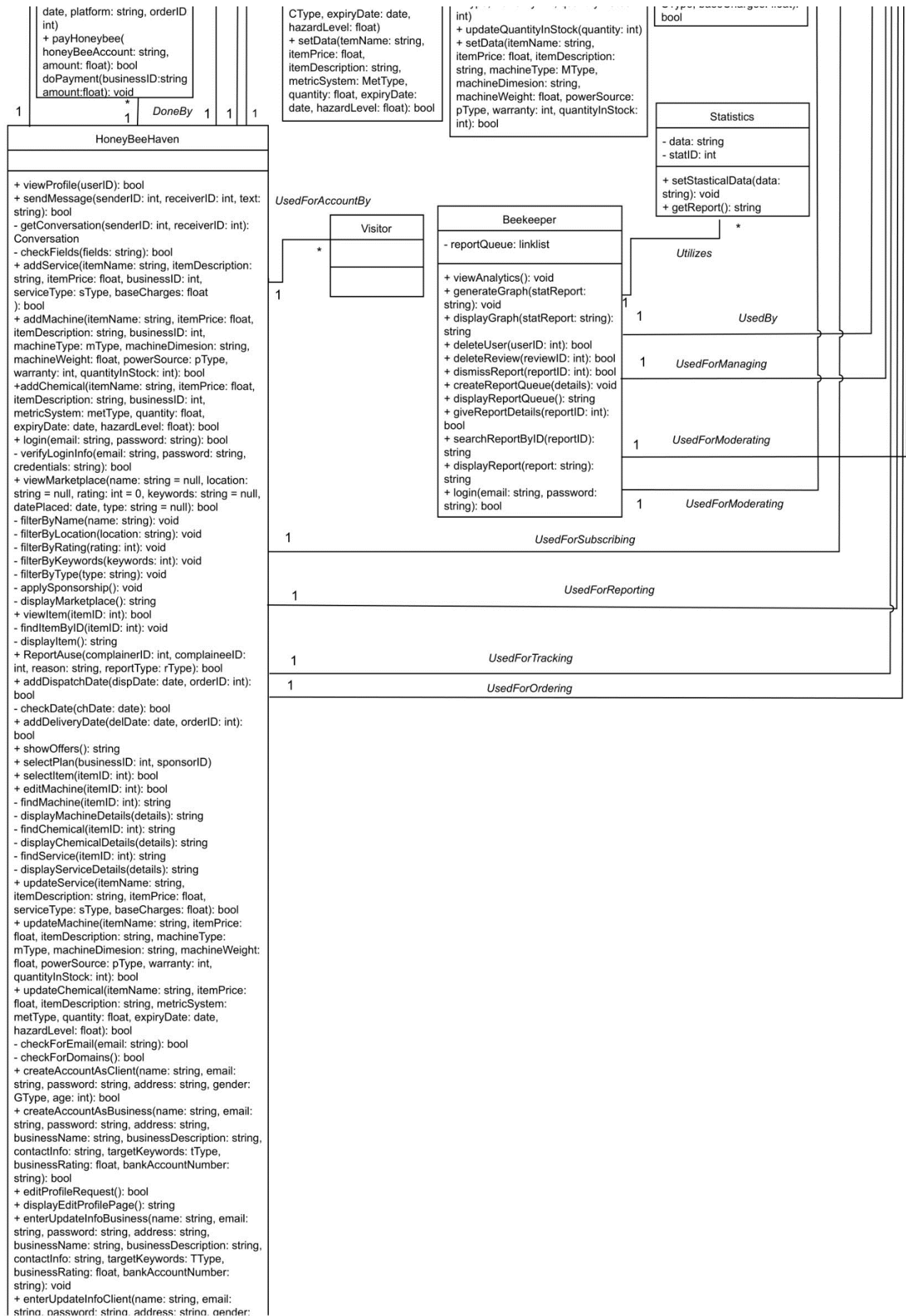


2. Use Case Diagram



3. Design Class Diagram





```

string, password: string, session: string, gType: int): void
+ feedback(message: text, rating: int, itemID: int): bool
- searchItem(itemID: int): string
+ trackOrderRequest(userID: int): bool
- filterOrders(userID: int): void
- displayOrders(): string
- verifyPassword(password: string): bool
+ payBill(accountNumber: string, amount: float, date: date, platform: string, orderID: string): void
+ findOrder(orderID: string): void
+ paySub(accountNumber: string, amount: float, date: date, platform: string, sponID: string): void

```

<<enumeration>> MetType
concentration percentage (%)
mg
cost per gallon pound
kilograms
parts per million (ppm)
litre

<<enumeration>> GType
male
female
others

<<enumeration>> TType
agricultural chemicals
farm machinery
crop services
agrochemical solutions
precision farming equipment
agricultural technology
fertilizer application
pest control services
irrigation systems
agricultural equipment
maintenance

<<enumeration>> SType
crop consulting services
soil testing and analysis
Pest control services
precision farming consultancy
irrigation system installation and maintenance
farm equipment repair and maintenance
agricultural waste management
organic farming consultation
farm planning and design
agricultural training and education

<<enumeration>> RType
discrimination or hate speech
abuse or violence
harassment
fraud or scam
inappropriate content
misinformation

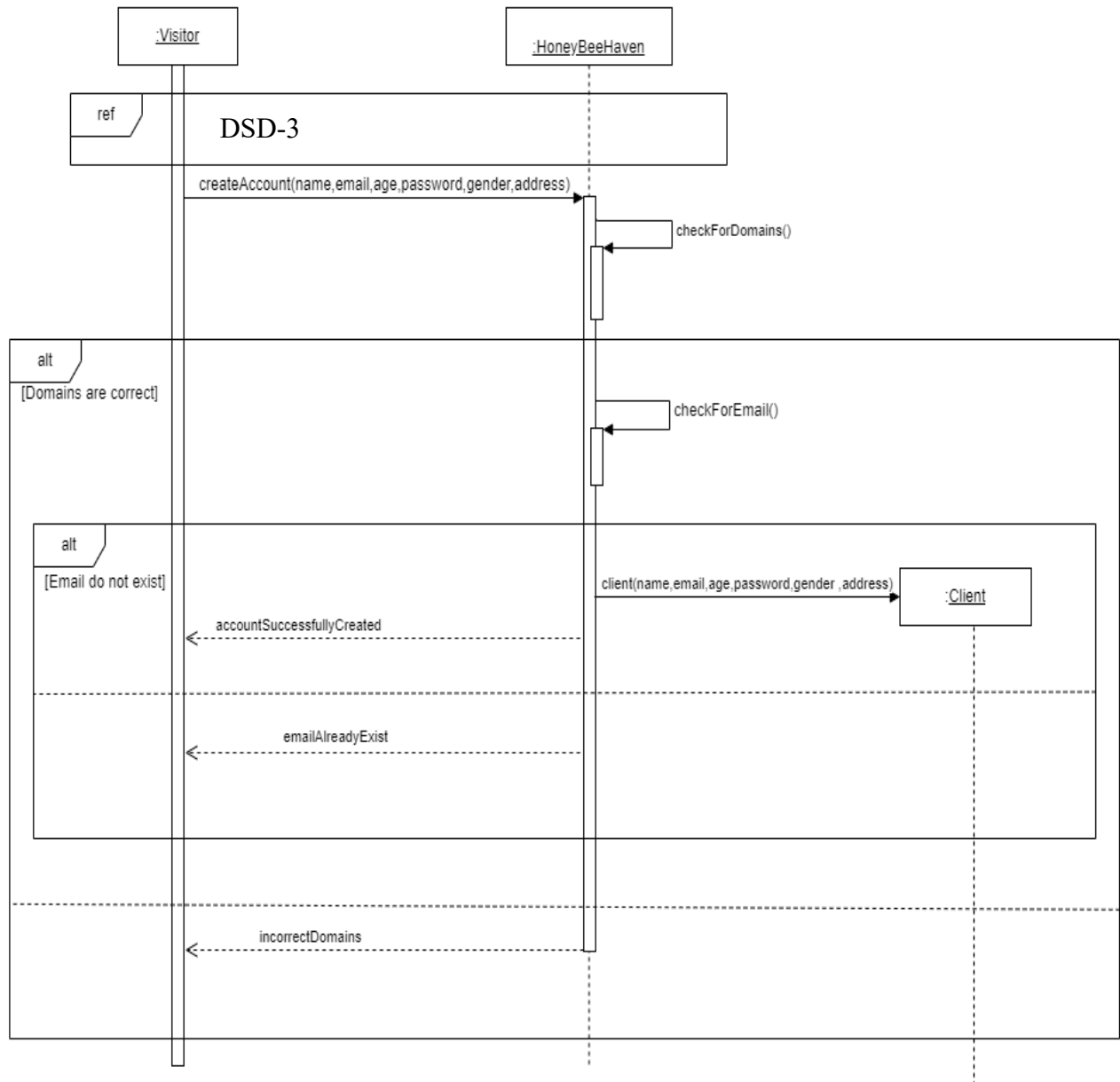
<<enumeration>> PType
diesel
battery-powered
solar power
wind power
biodiesel
compressed air

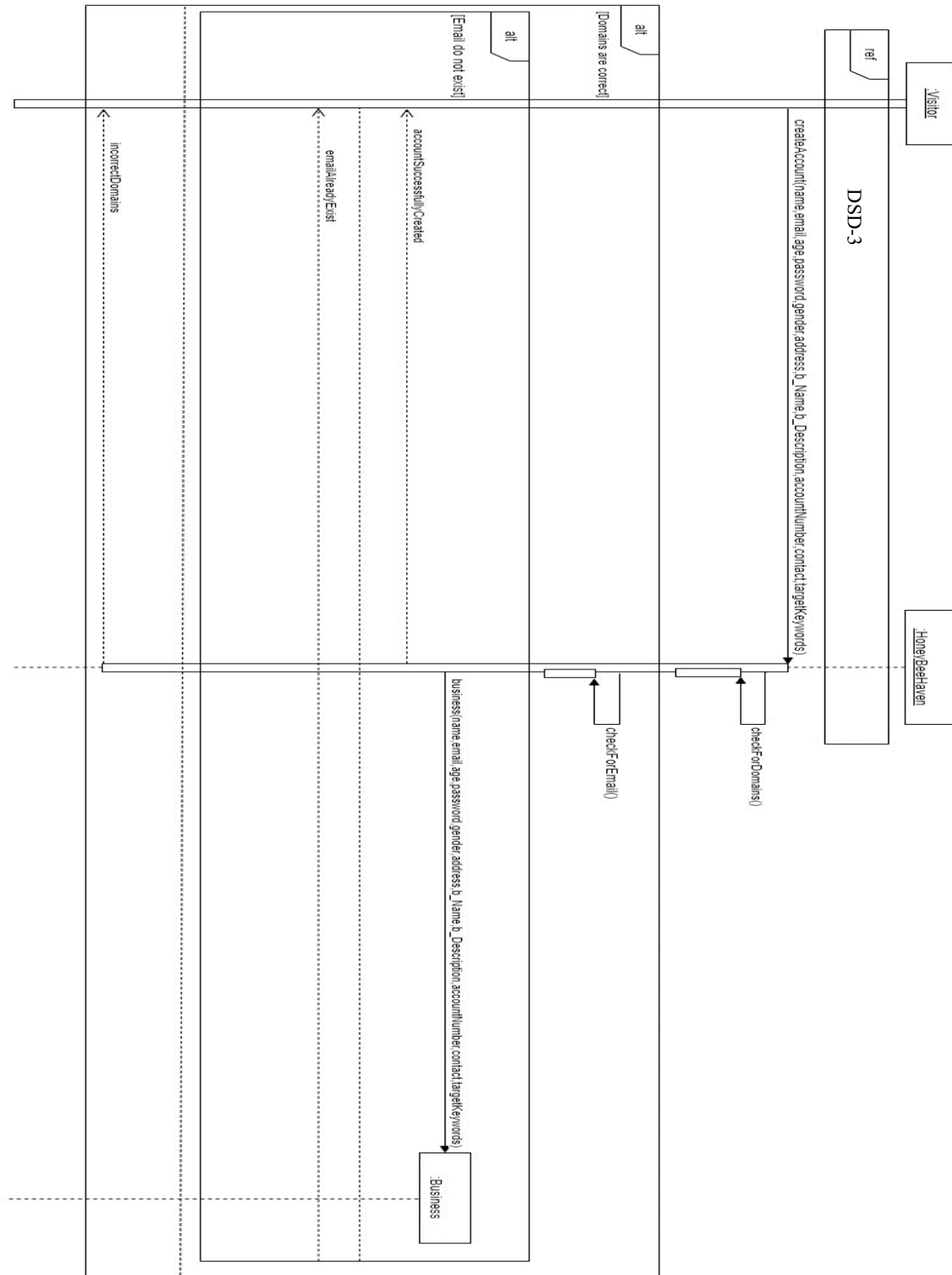
<<enumeration>> MType
tractors
combine harvesters
plows
seed drills
sprayers
fertilizer spreaders
irrigation systems
crop monitoring drones
greenhouse automation systems

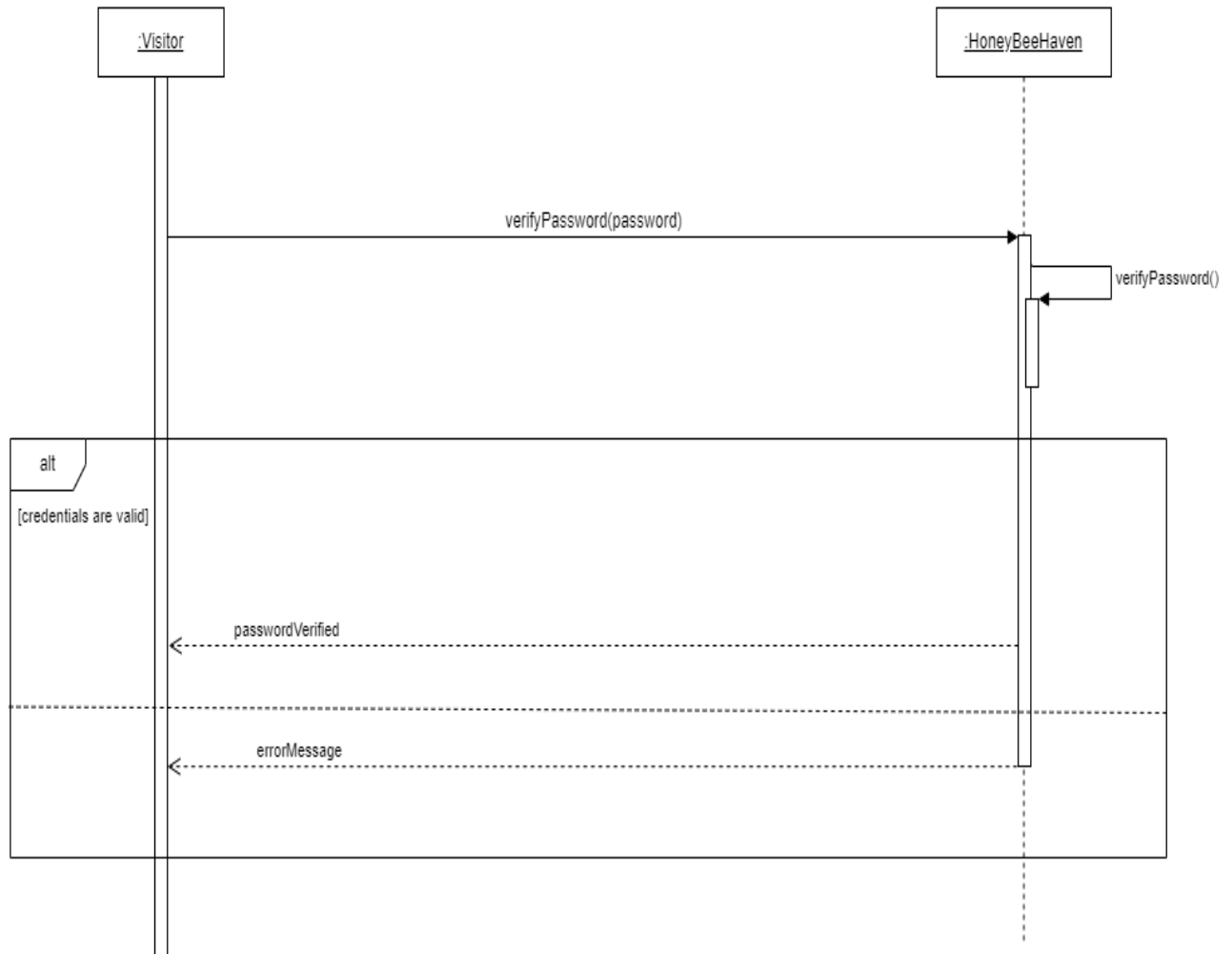
<<enumeration>> CType
pesticides
fertilizers
plant growth regulators
soil conditioners
adjuvants
seed treatment
biostimulants
antitranspirants
fumigants

4. Design Sequence Diagrams

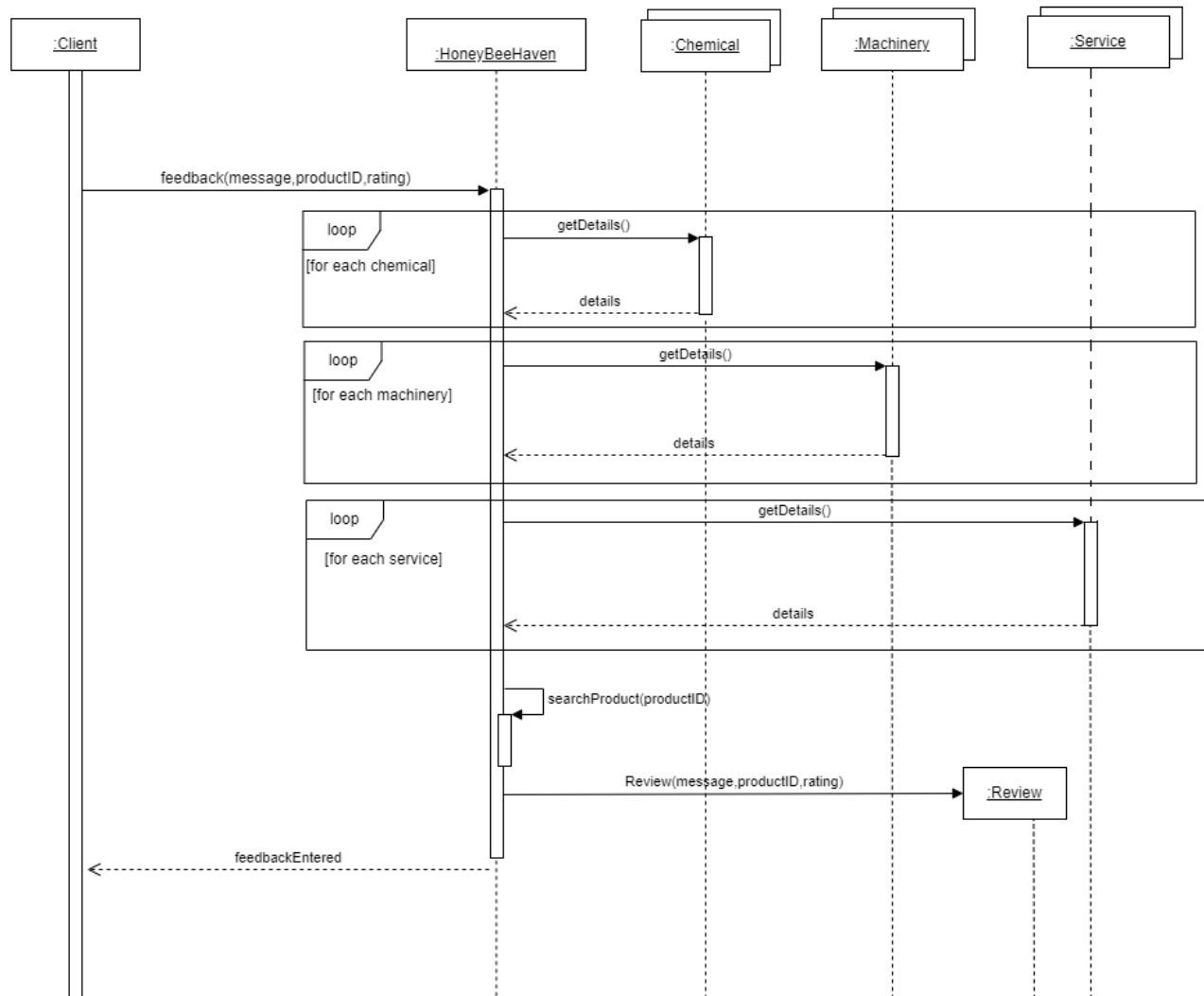
4.1 DSD-1: DSD for UC-2 create account as client

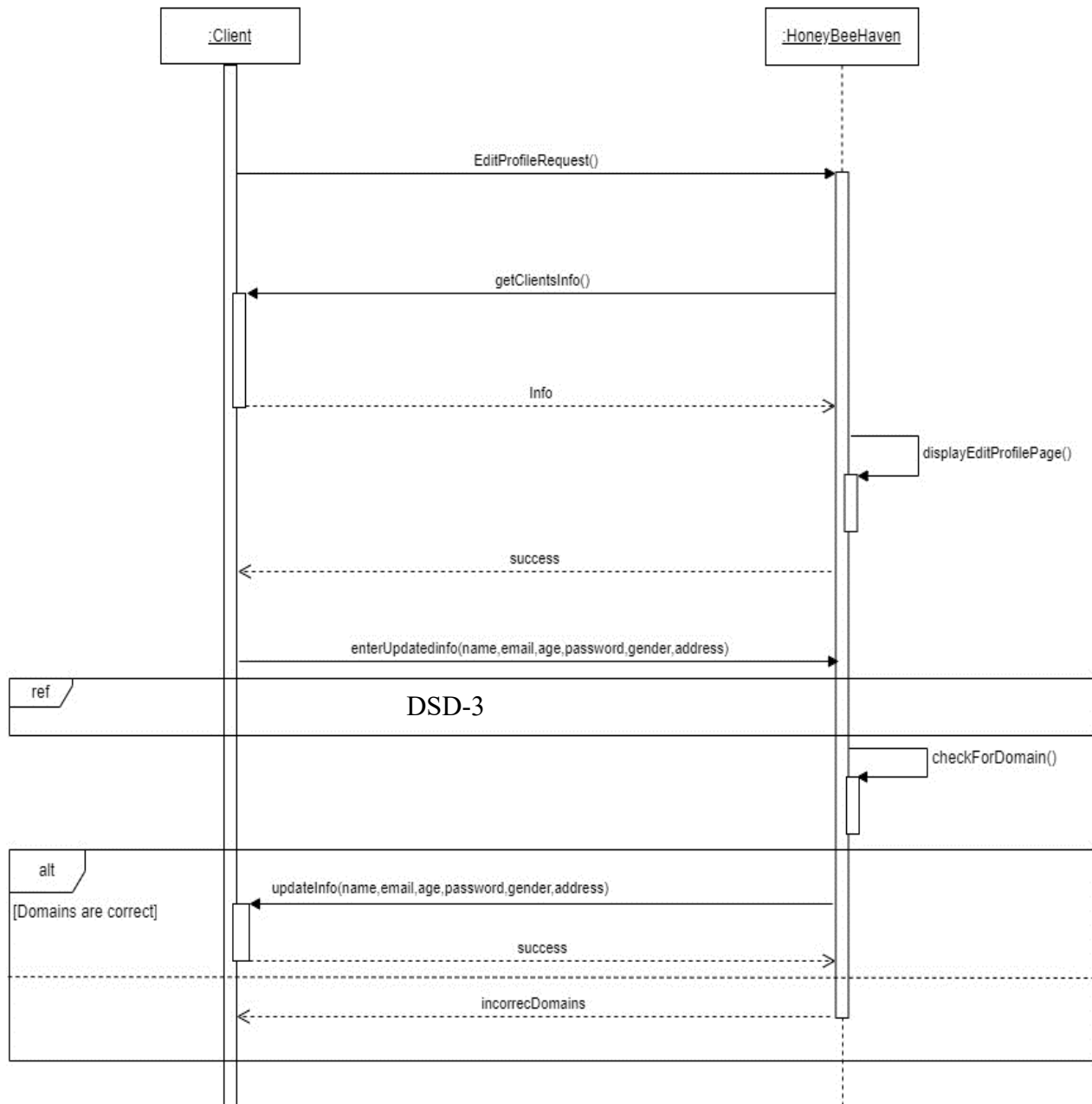


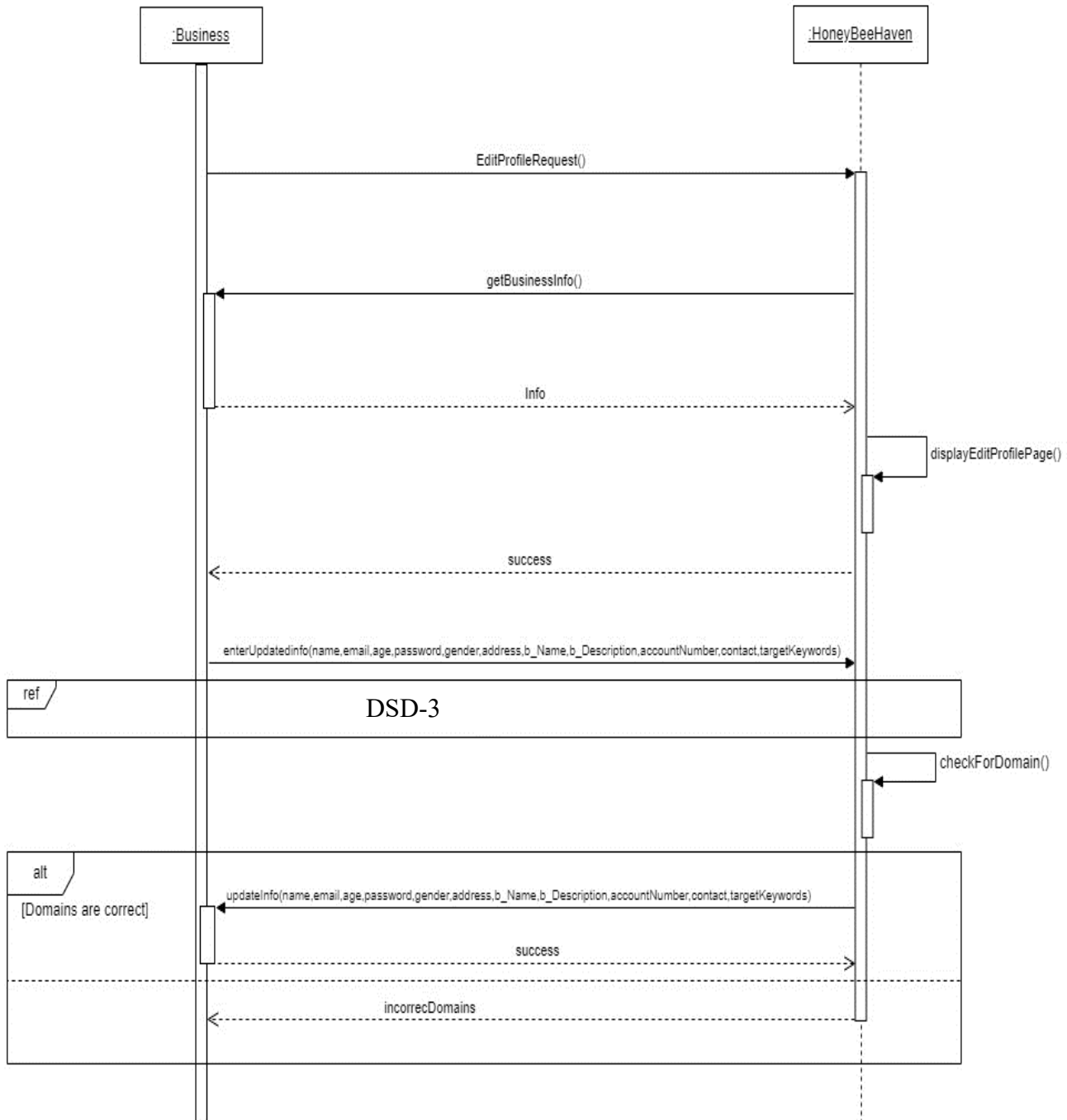
4.2 DSD-2: DSD for UC-3 create account as business

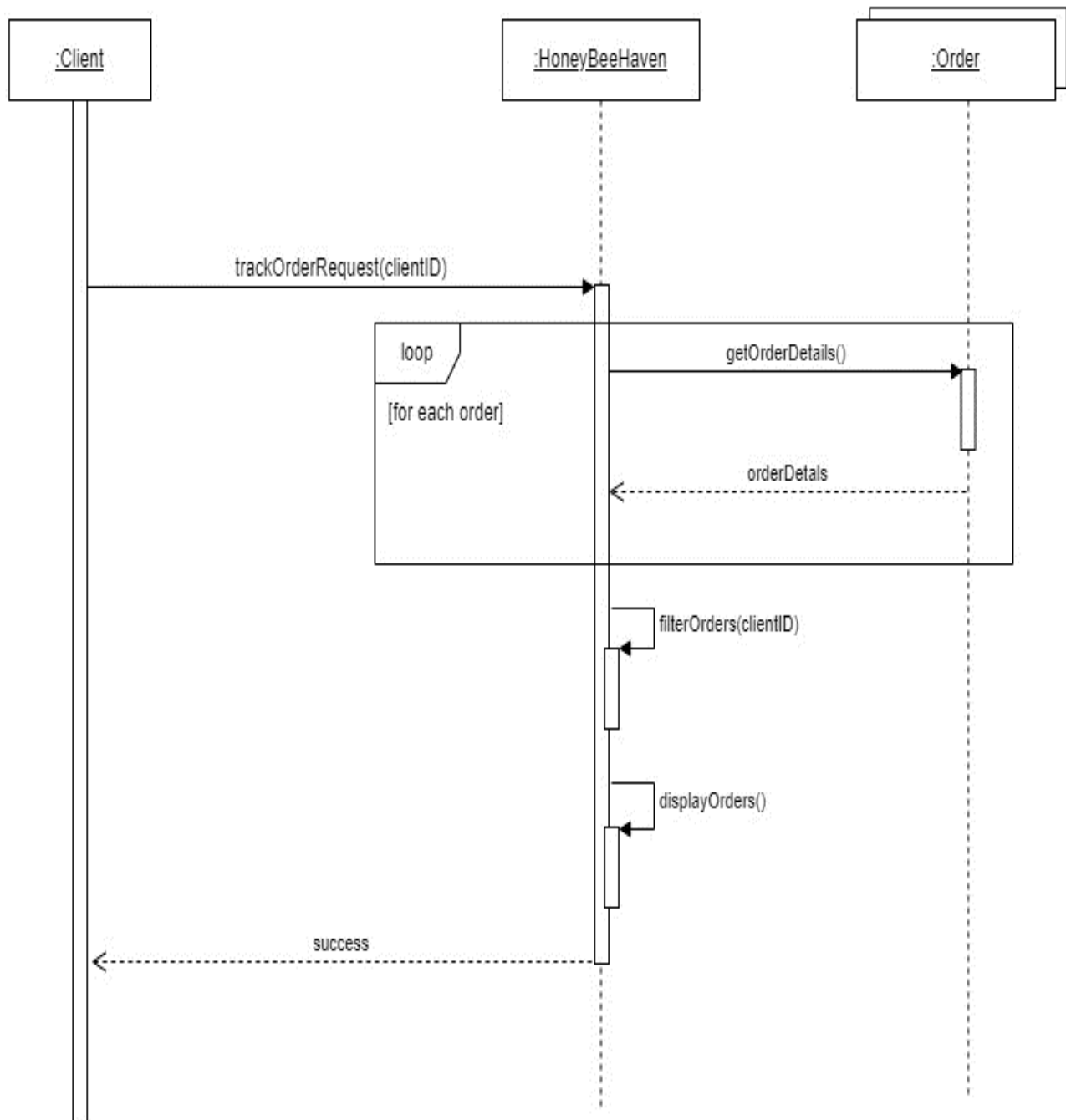
4.3 DSD-3: DSD for UC-4 verify password

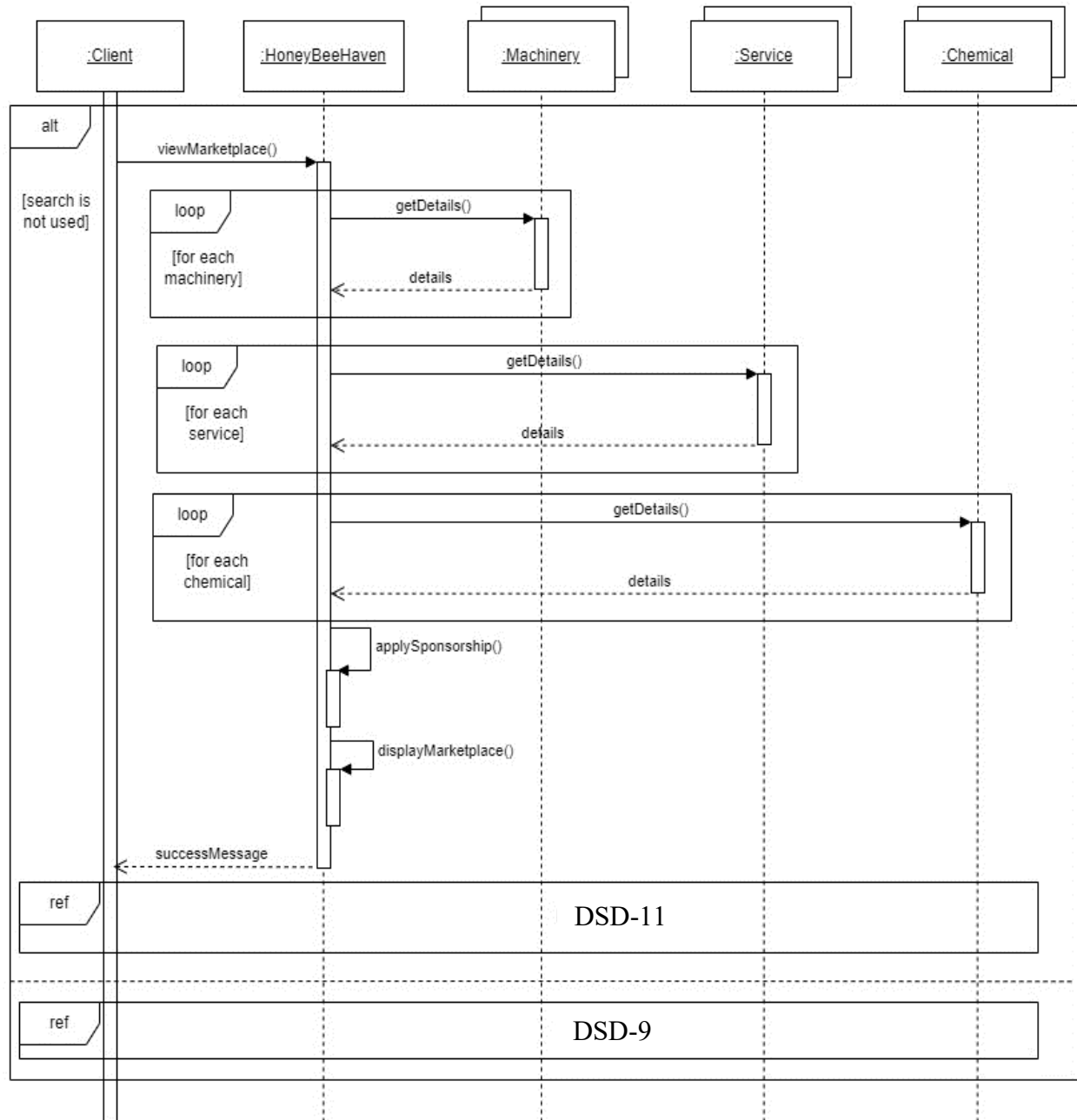
4.4 DSD-4: DSD for UC-6 provide feedback



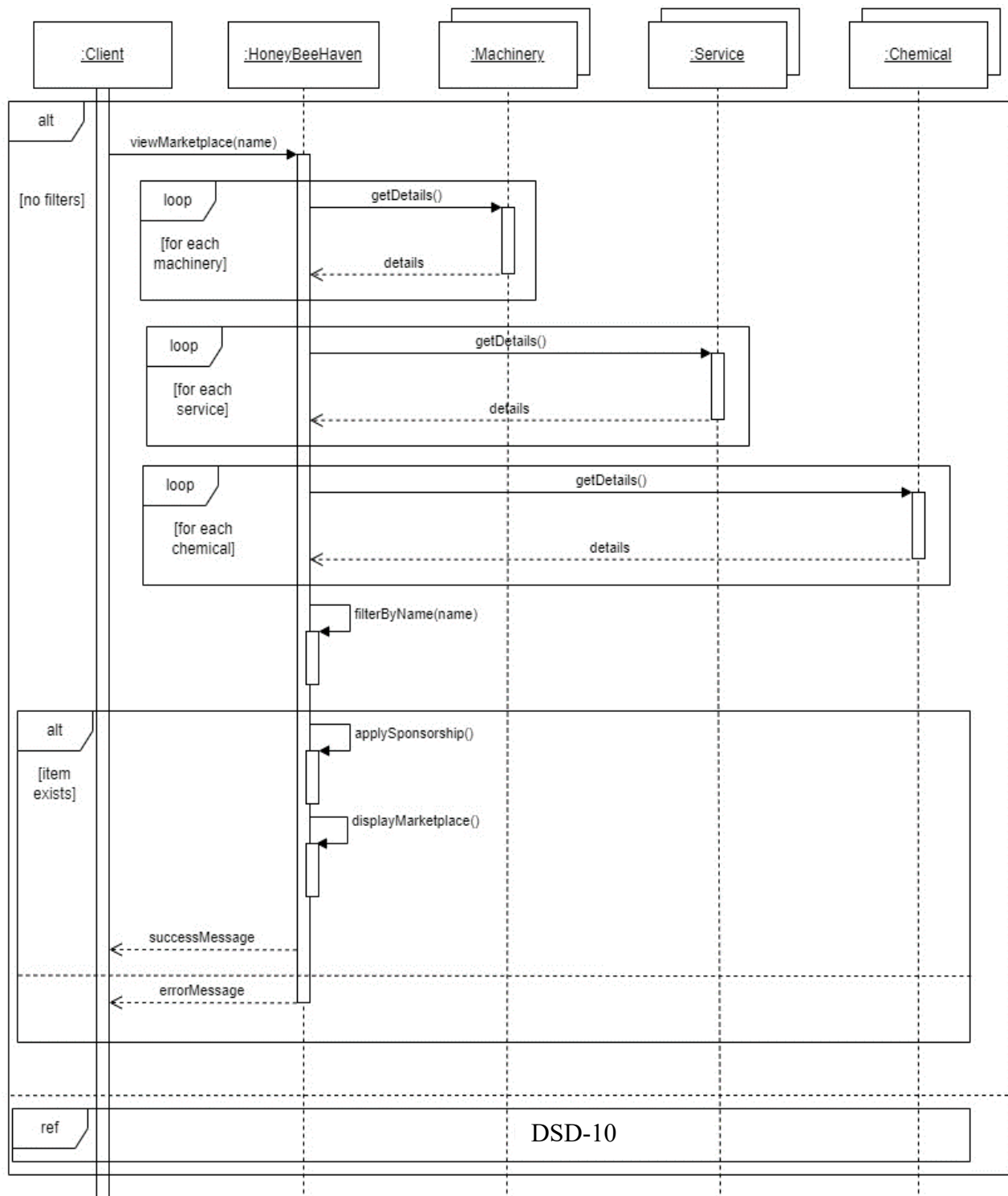
4.5 DSD-5: DSD for UC-8 edit profile as client

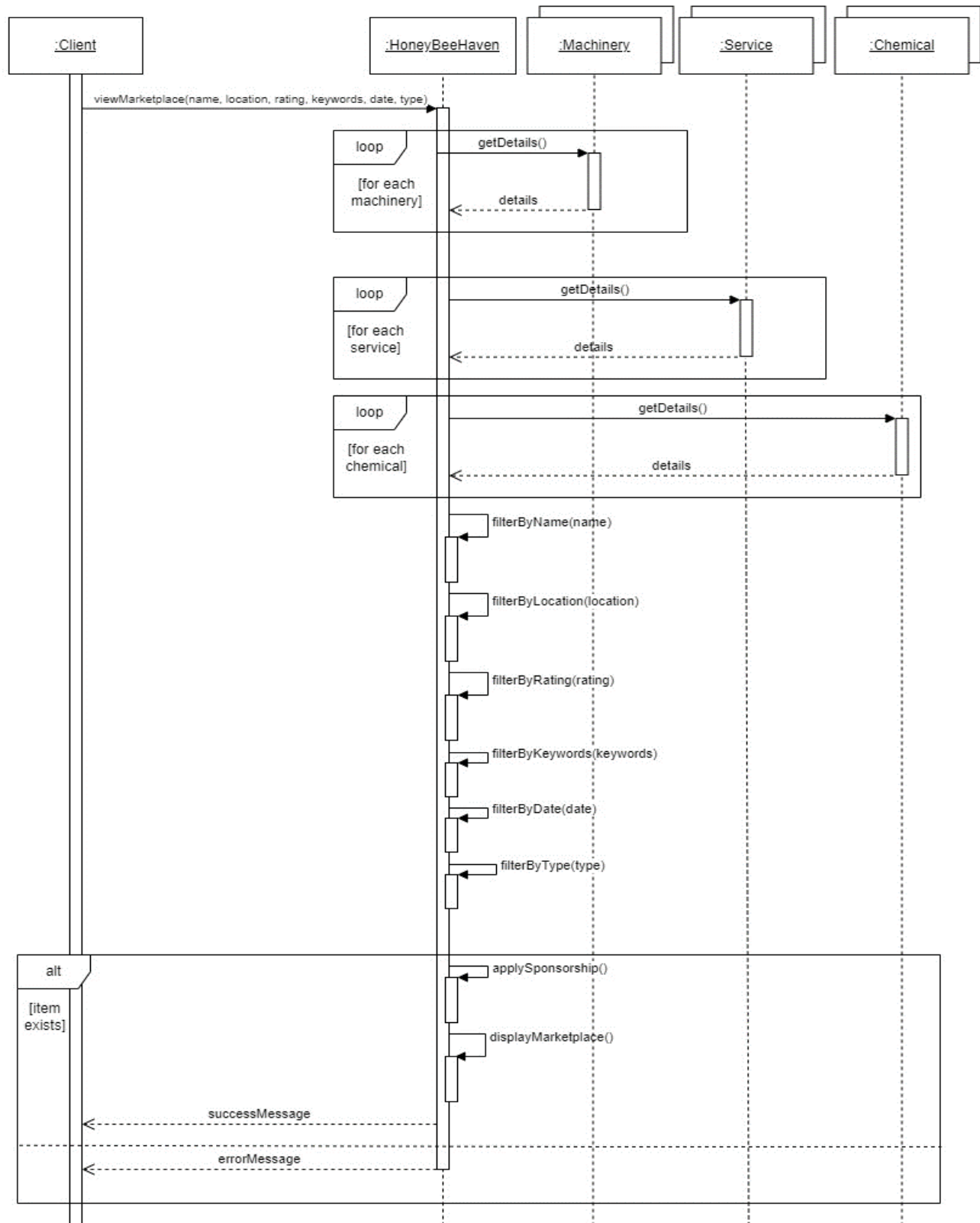
4.6 DSD-6: DSD for UC-9 edit profile as business

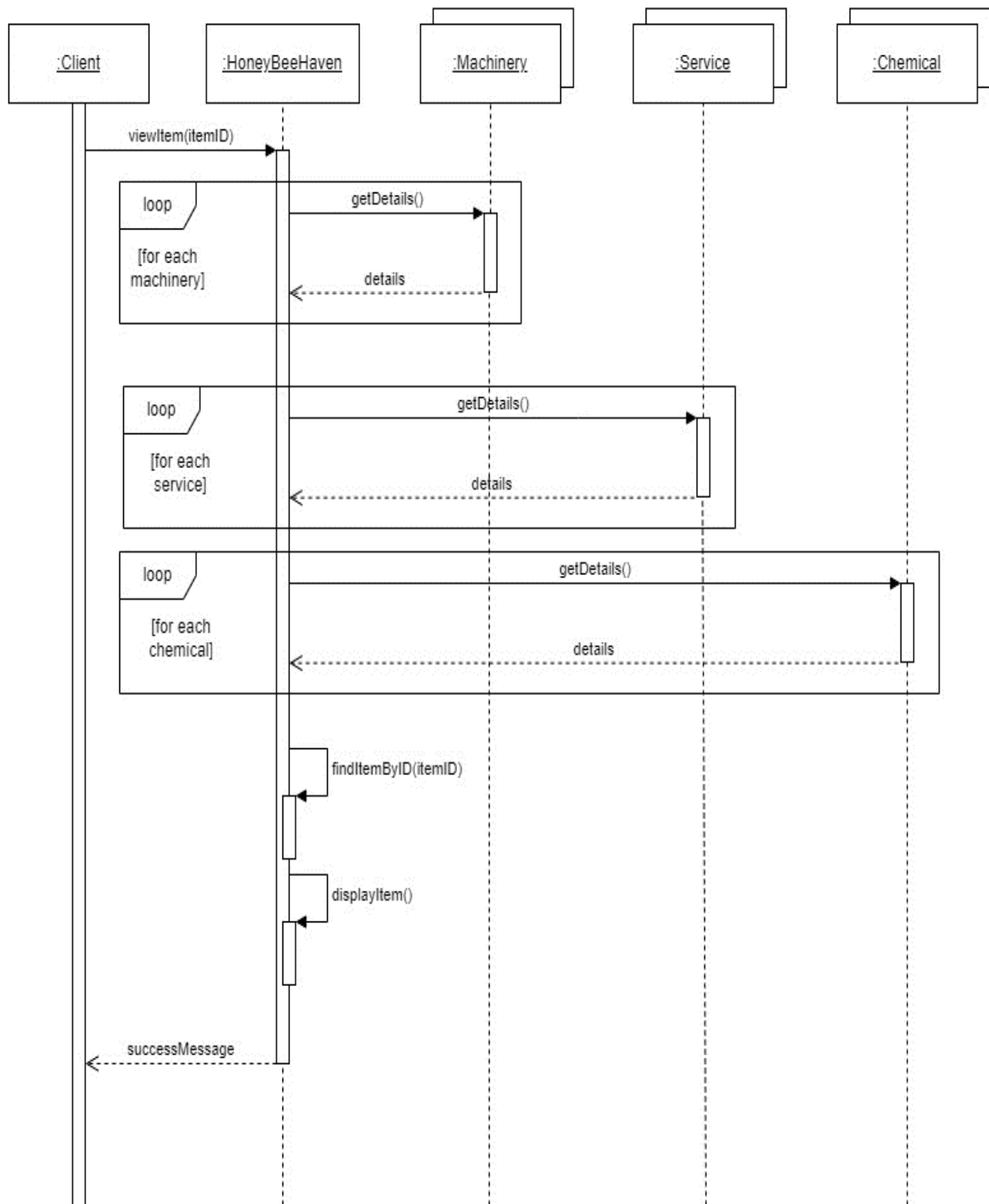
4.7 DSD-7: DSD for UC-14 track order

4.8 DSD-8: DSD for UC-10 view marketplace

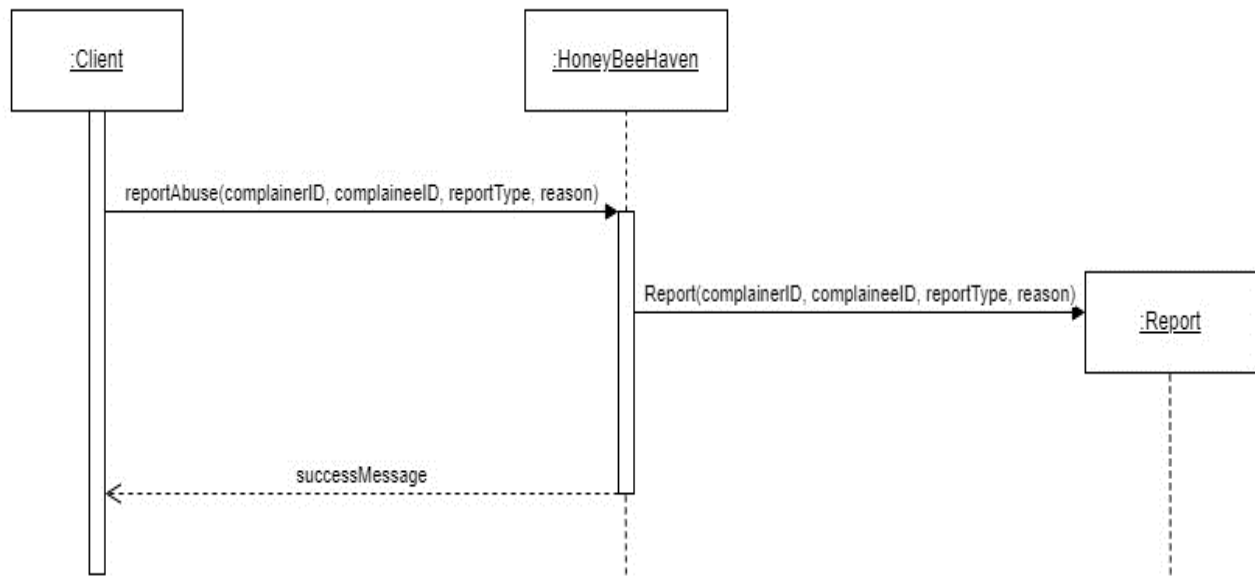
4.9 DSD-9: DSD for UC-11 search item

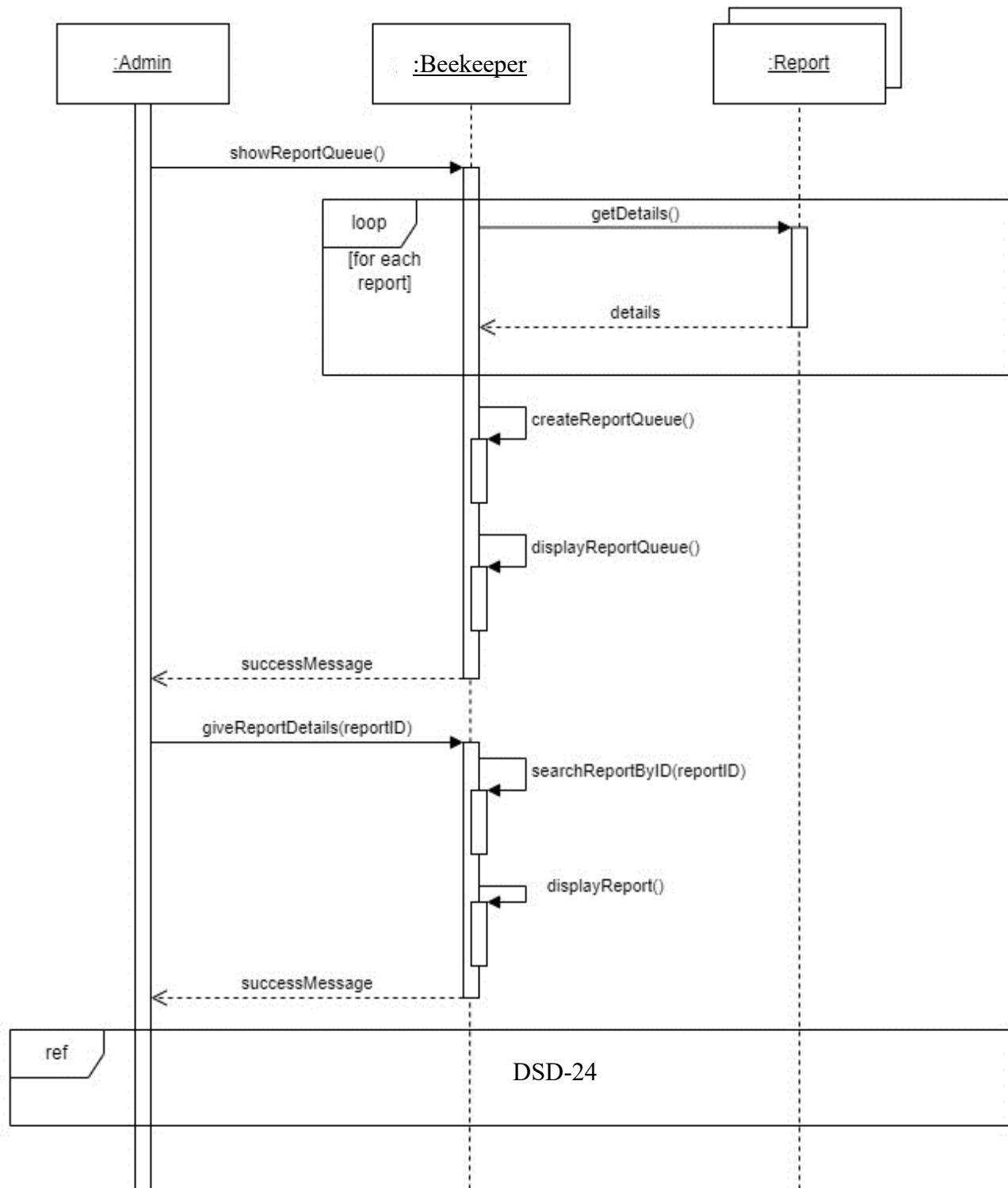


4.10 DSD-10: DSD for UC-12 filter item

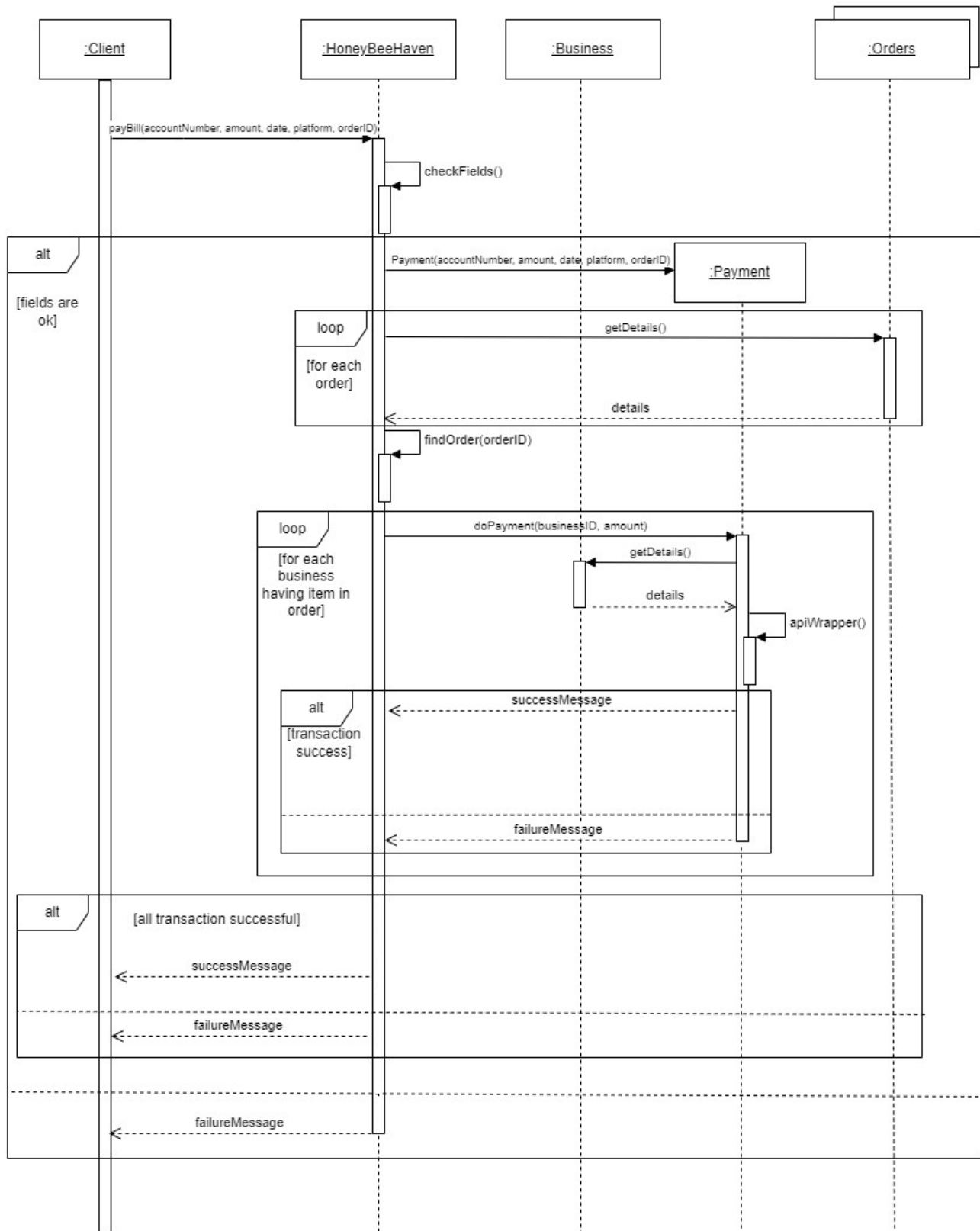
4.11 DSD-11: DSD for UC-13 view item

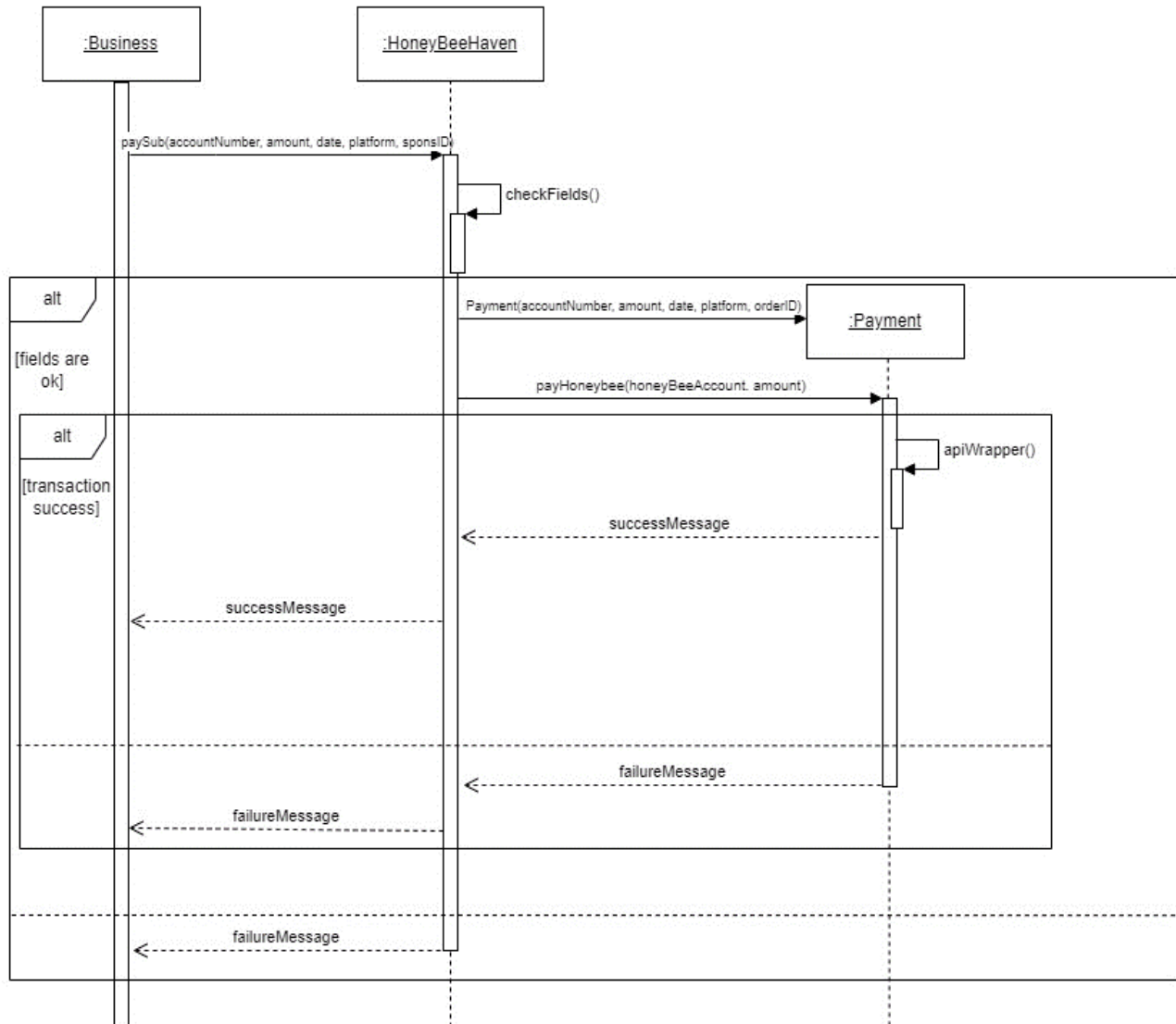
4.12 DSD-12: DSD for UC-14 report abuse

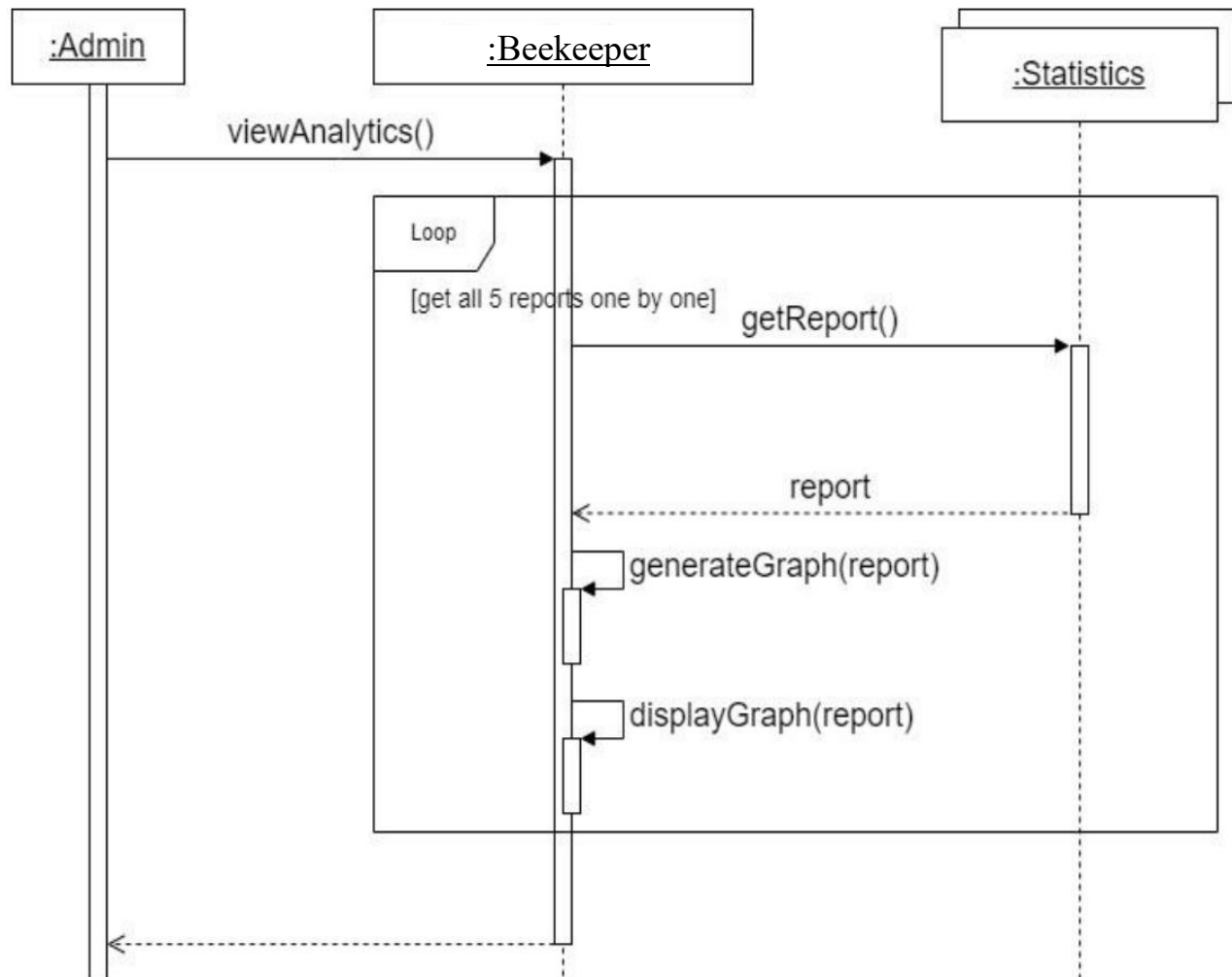


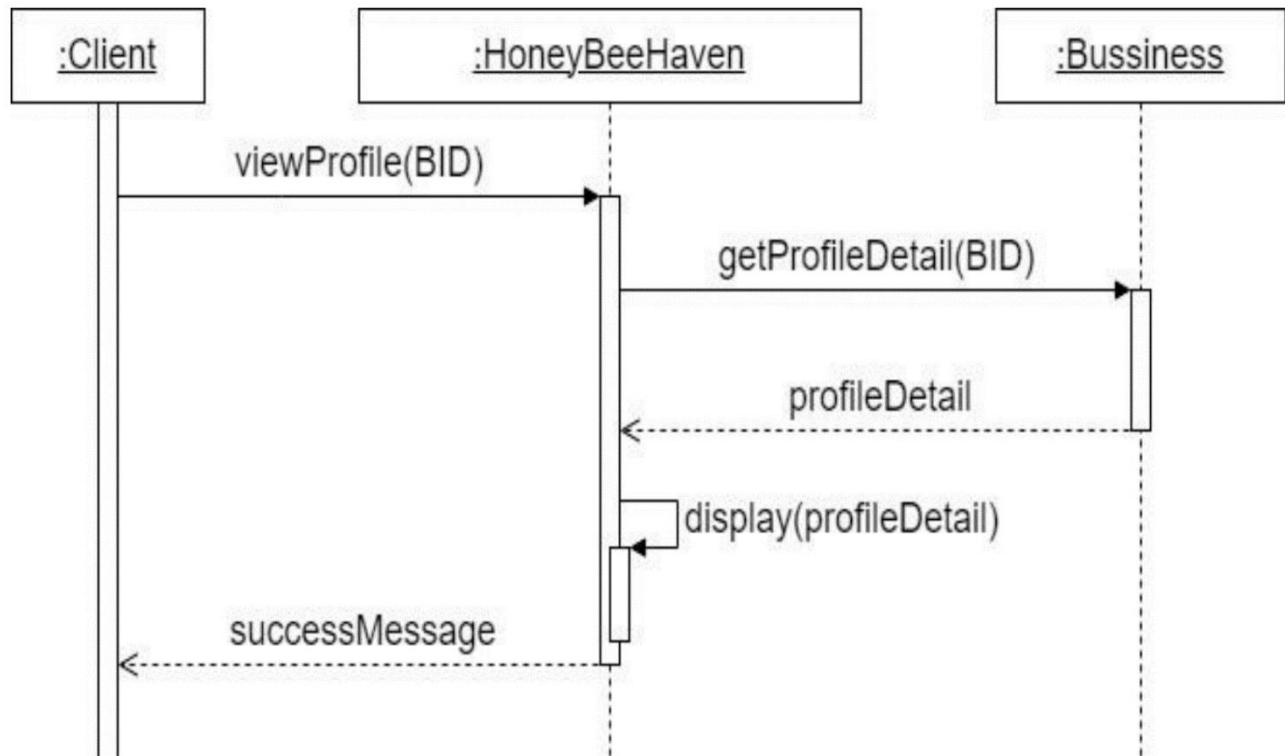
4.13 DSD-13: DSD for UC-30 manage reports

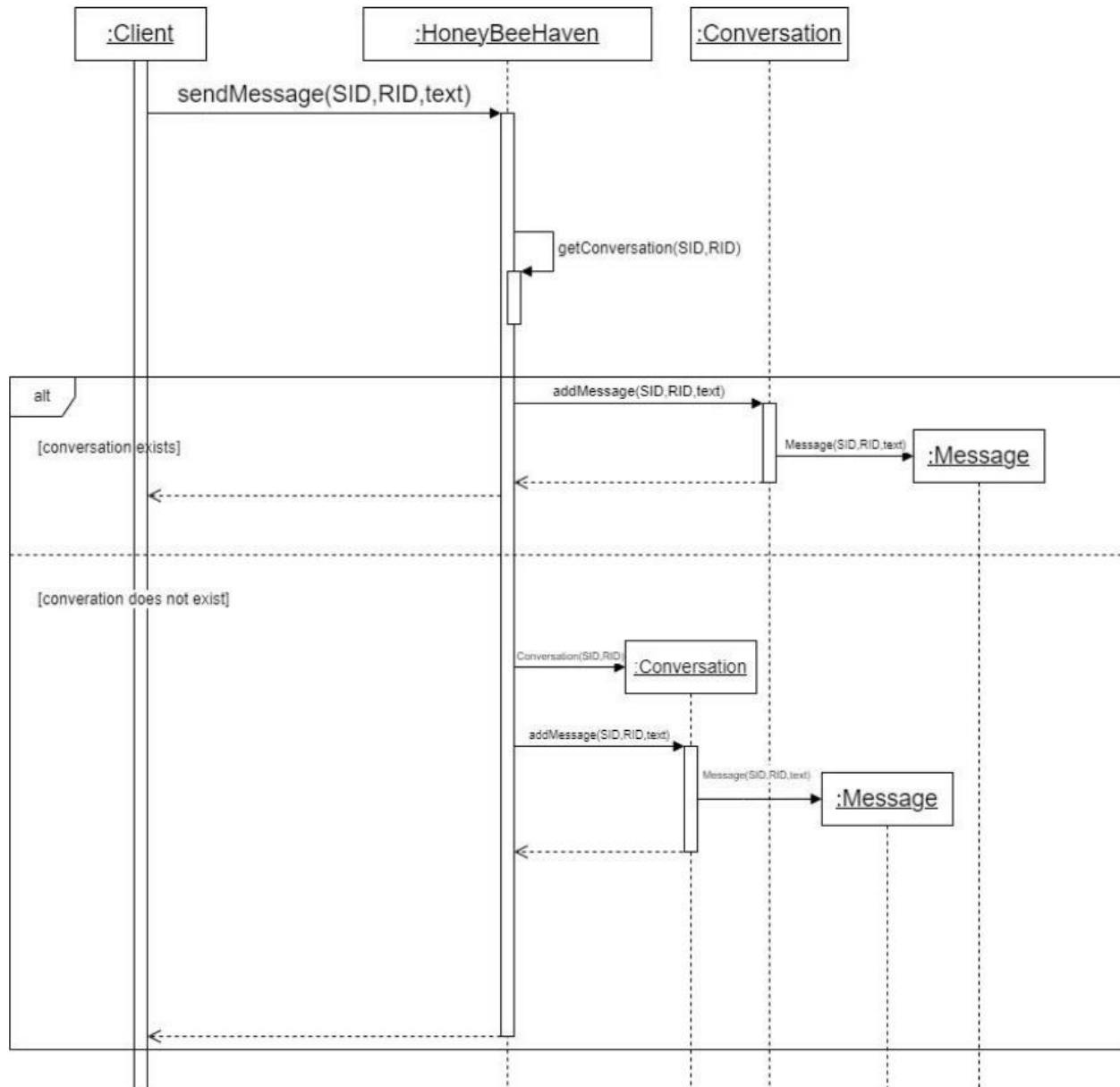
4.14 DSD-14: DSD for UC-29 perform payment

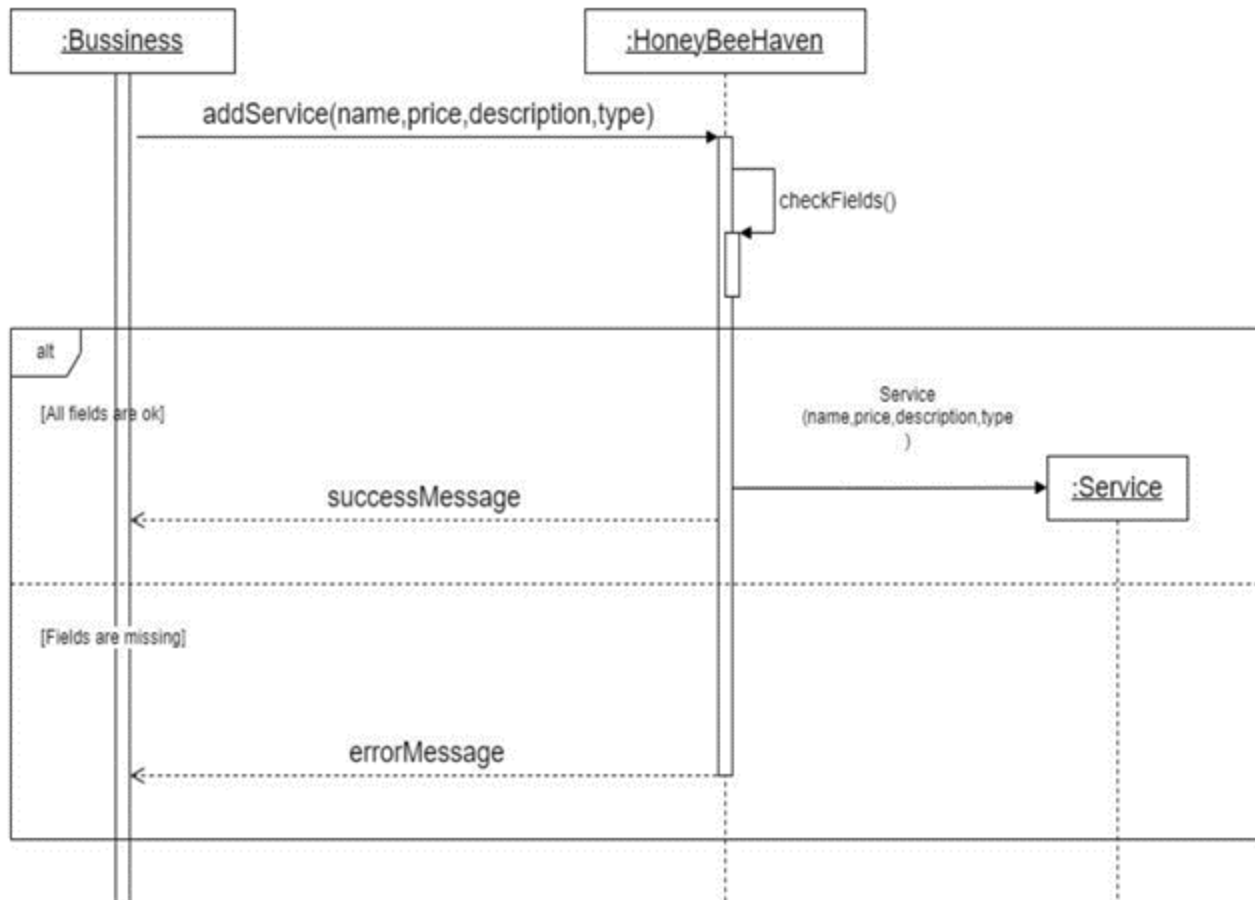


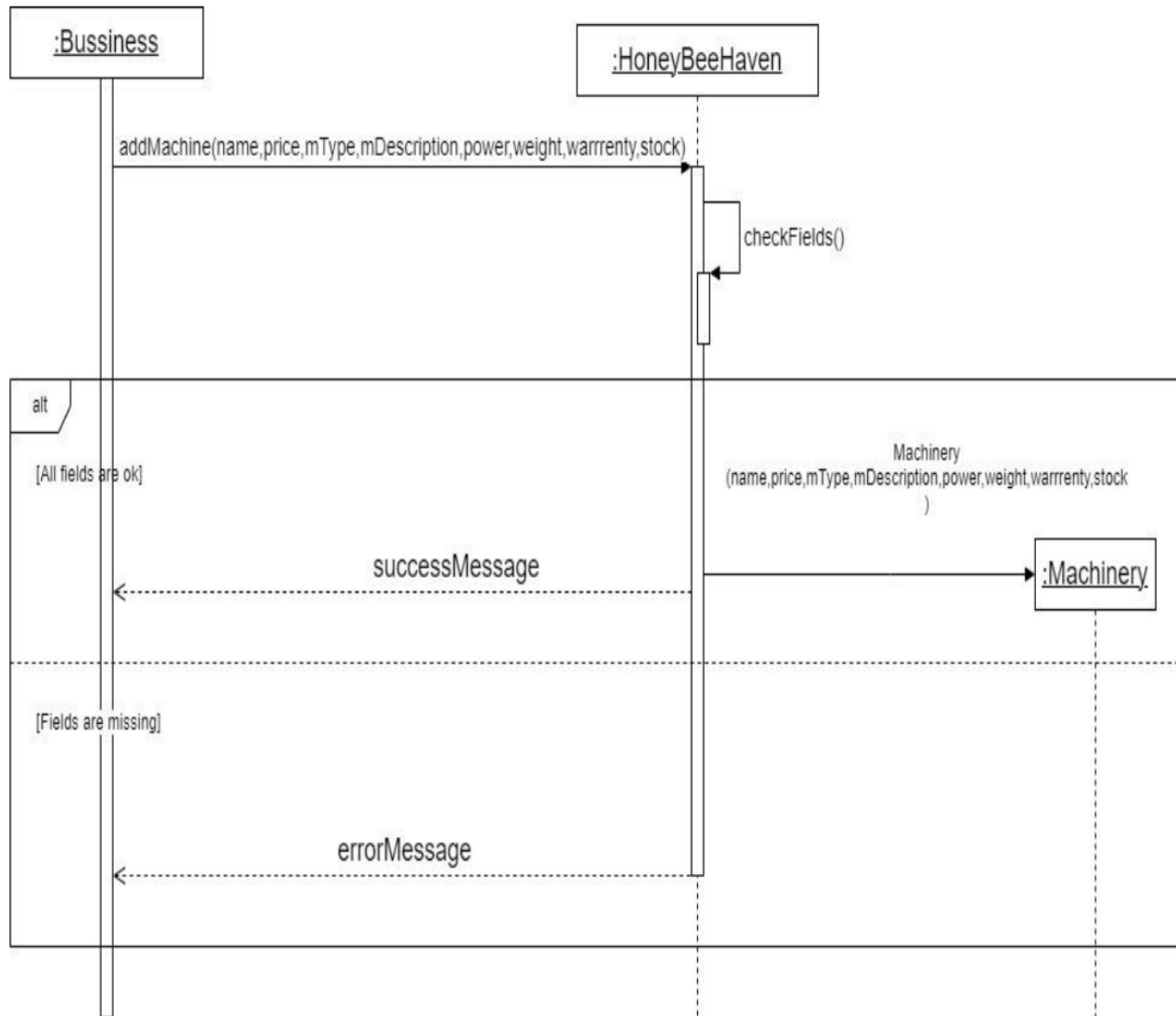


4.15 DSD-15: DSD for UC-19 view analytics

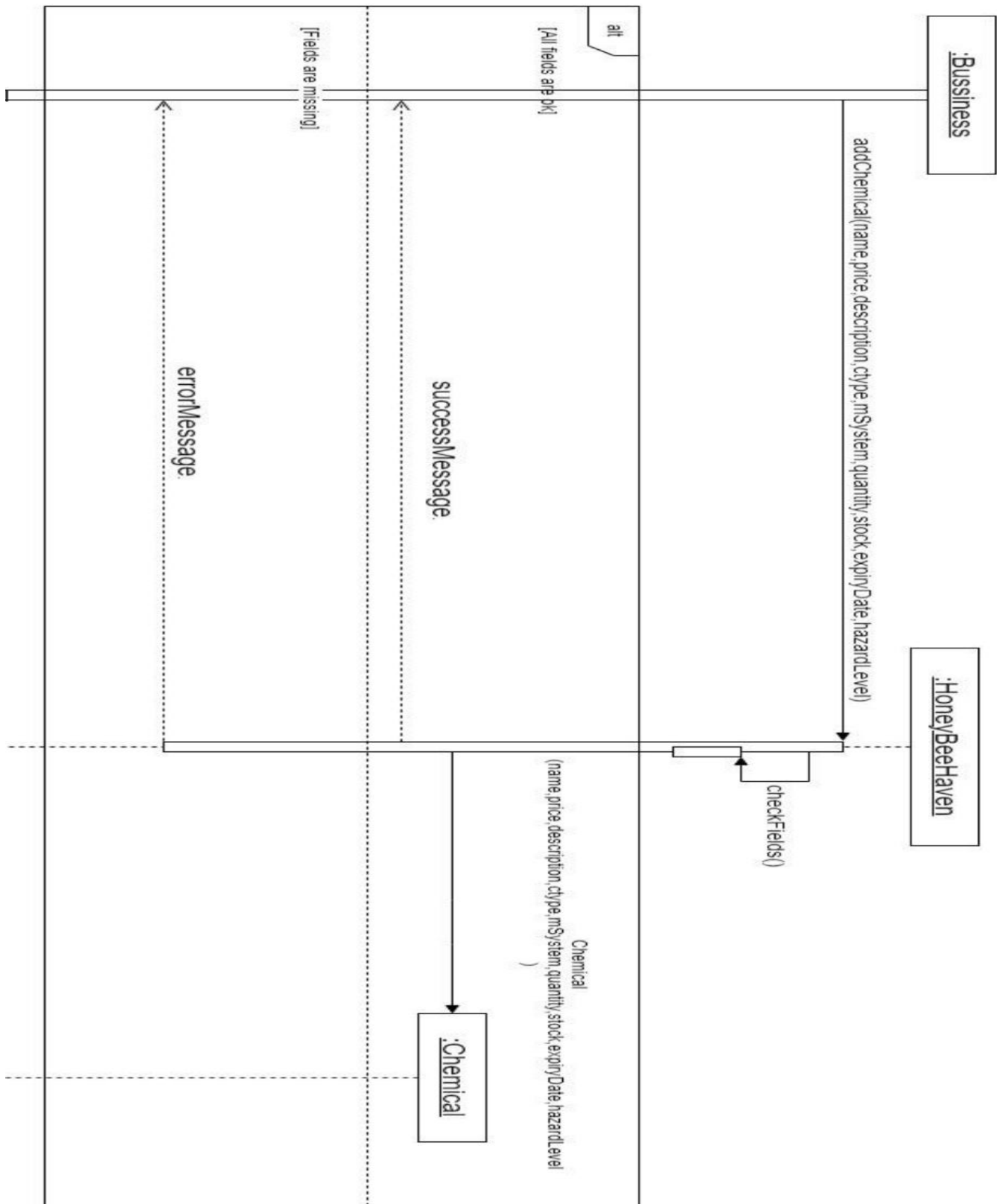
4.16 DSD-16: DSD for UC-20 view profile

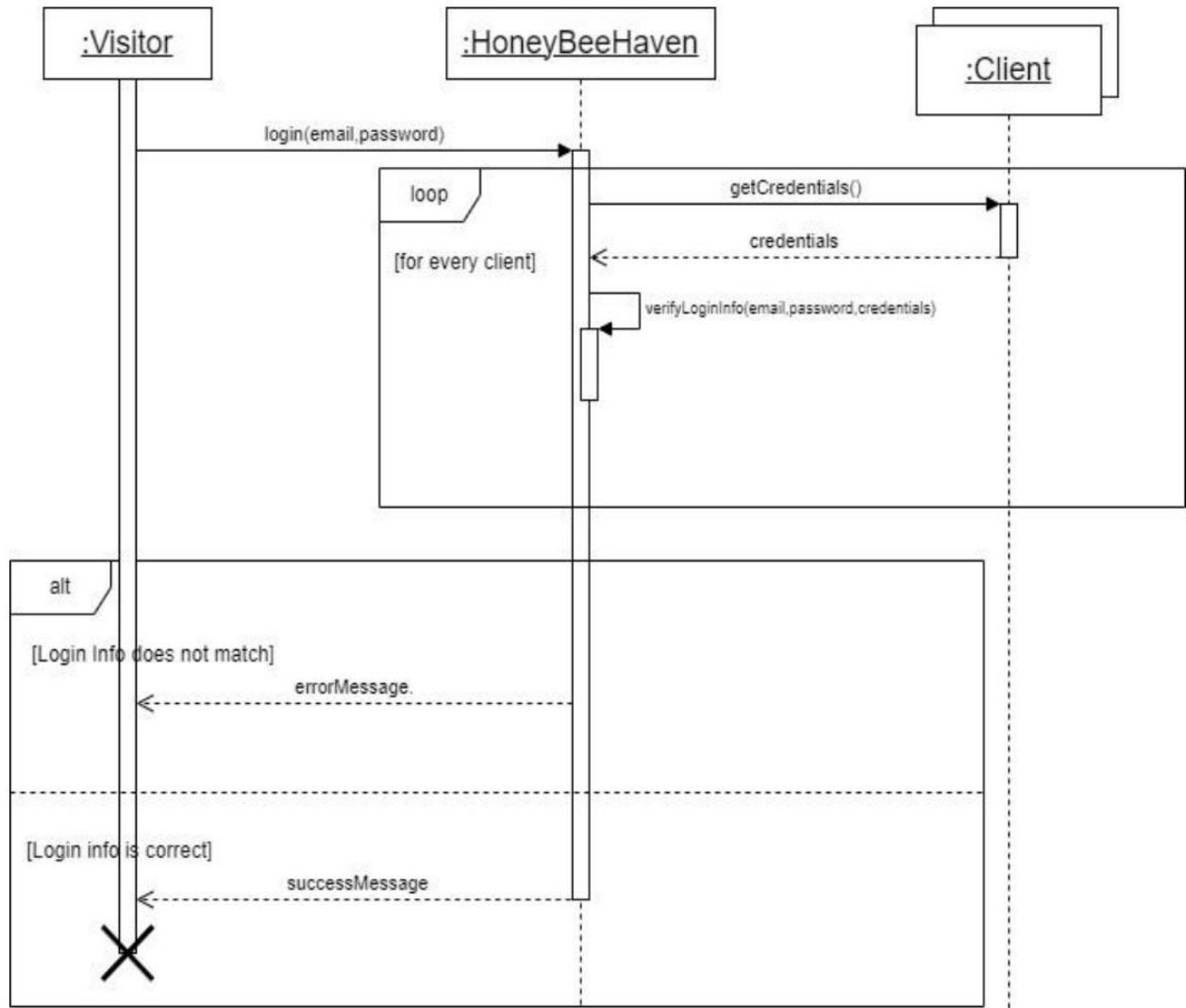
4.17 DSD-17: DSD for UC-21 send message

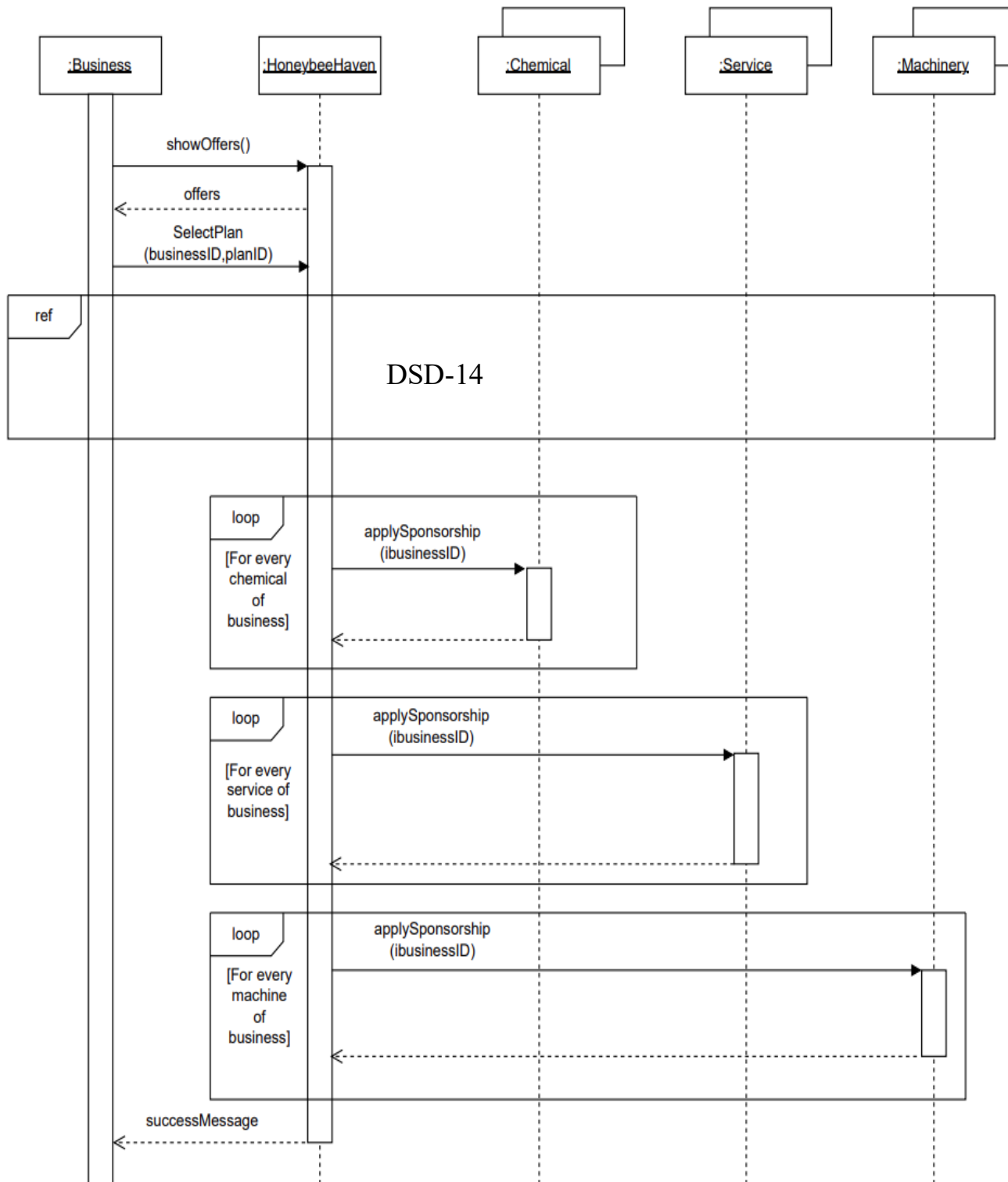
4.18 DSD-18: DSD for UC-23 add service

4.19 DSD-19: DSD for UC-24 add machinery

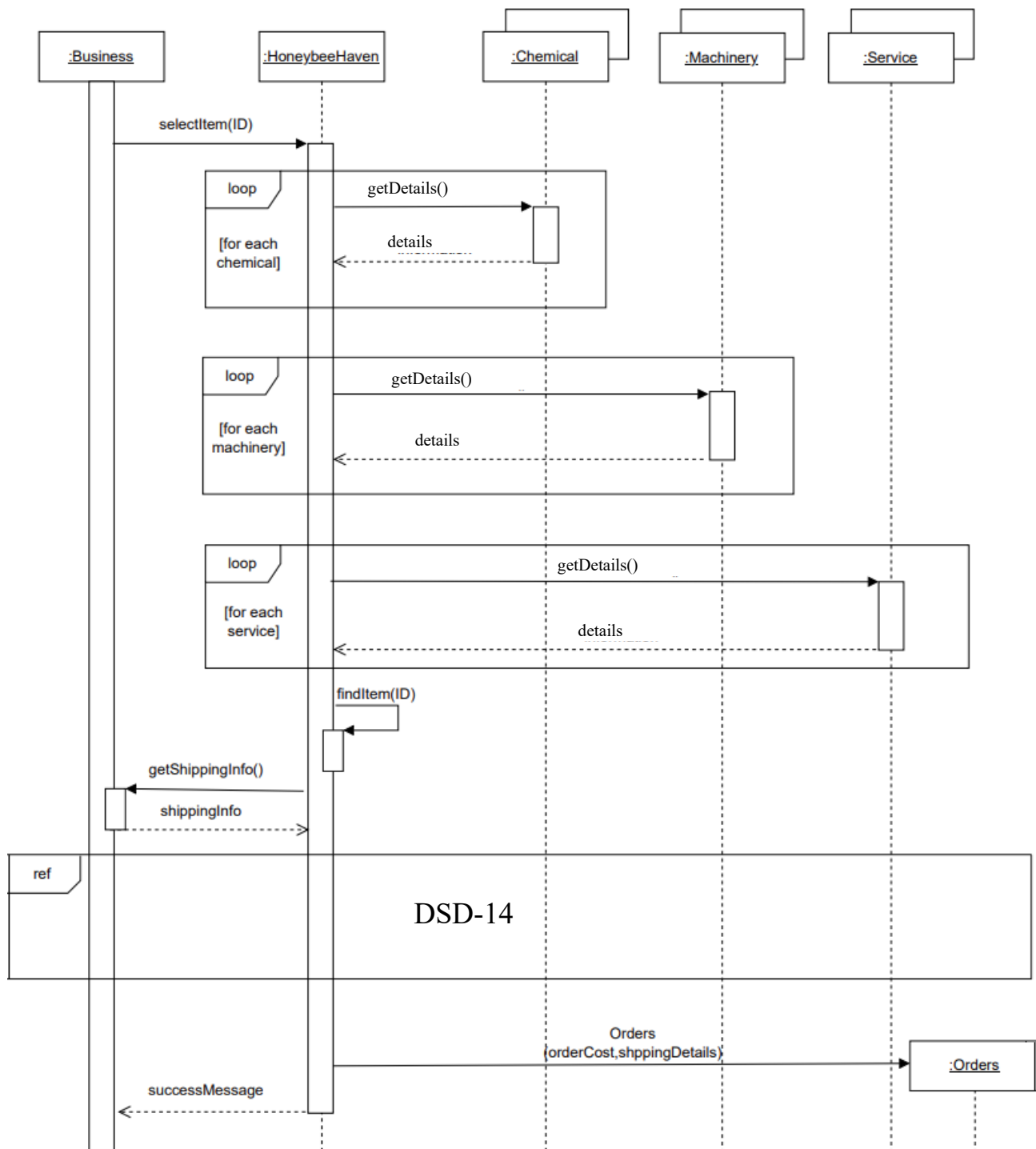
4.20 DSD-20: DSD for UC-25 add chemical

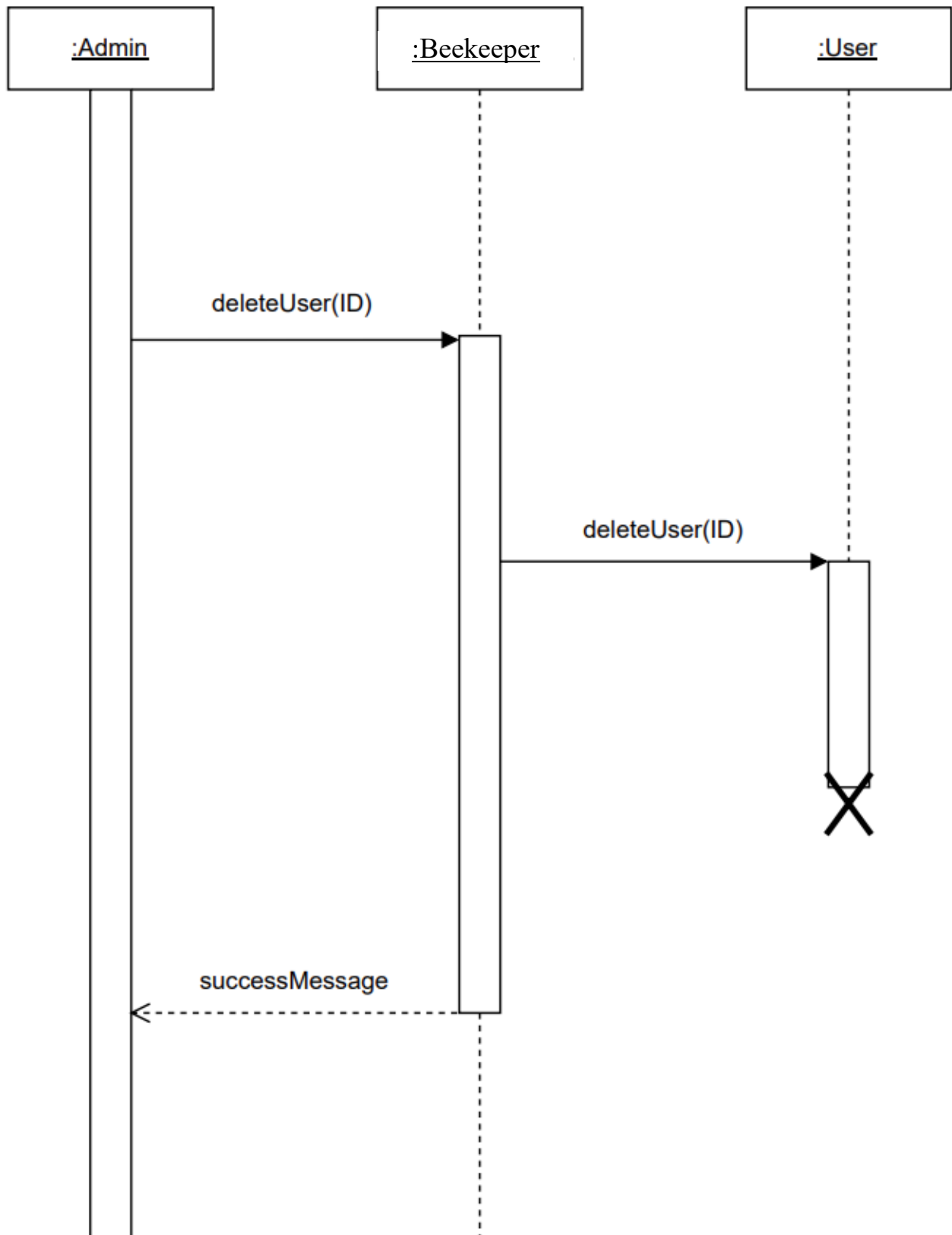


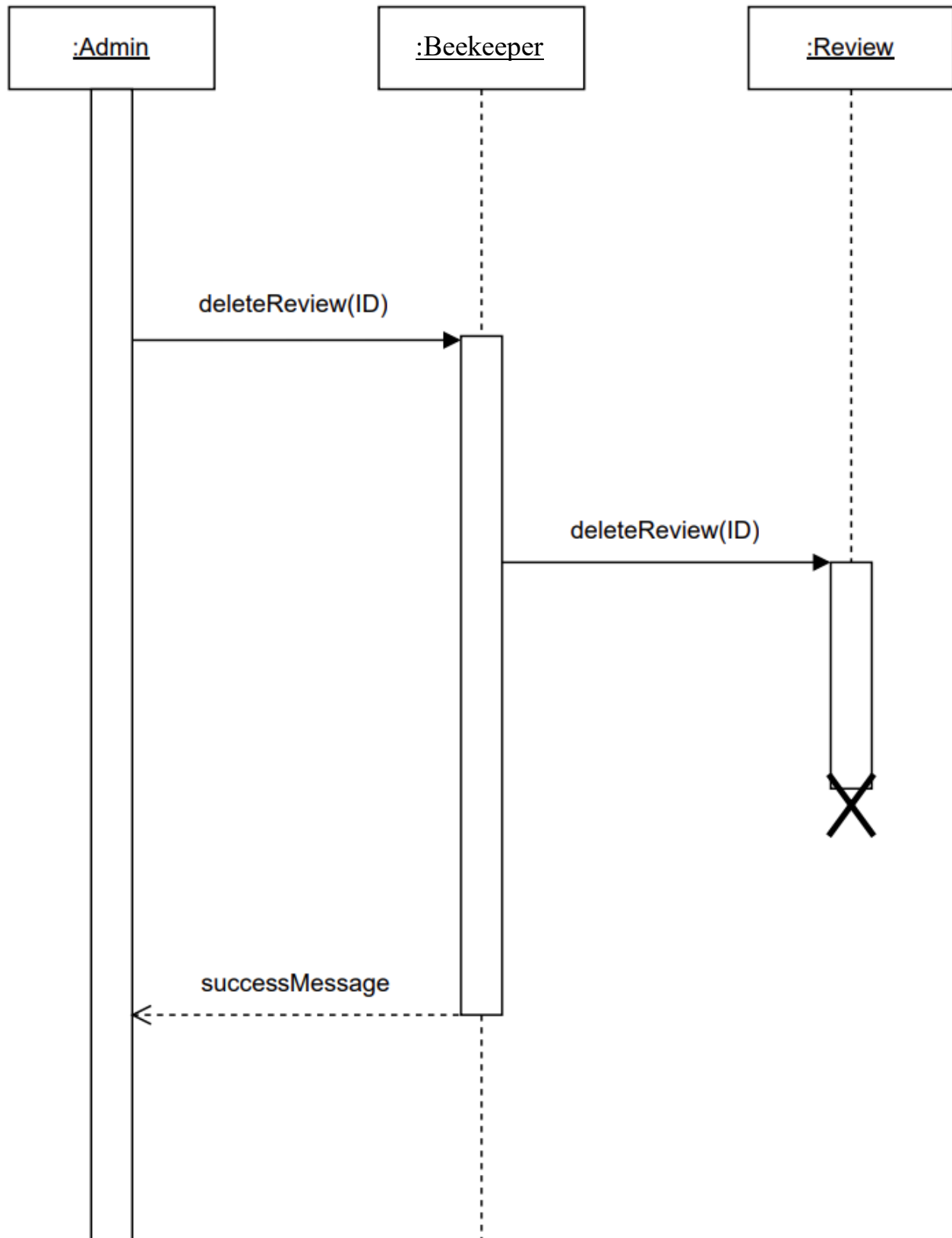
4.21 DSD-21: DSD for UC-26 login

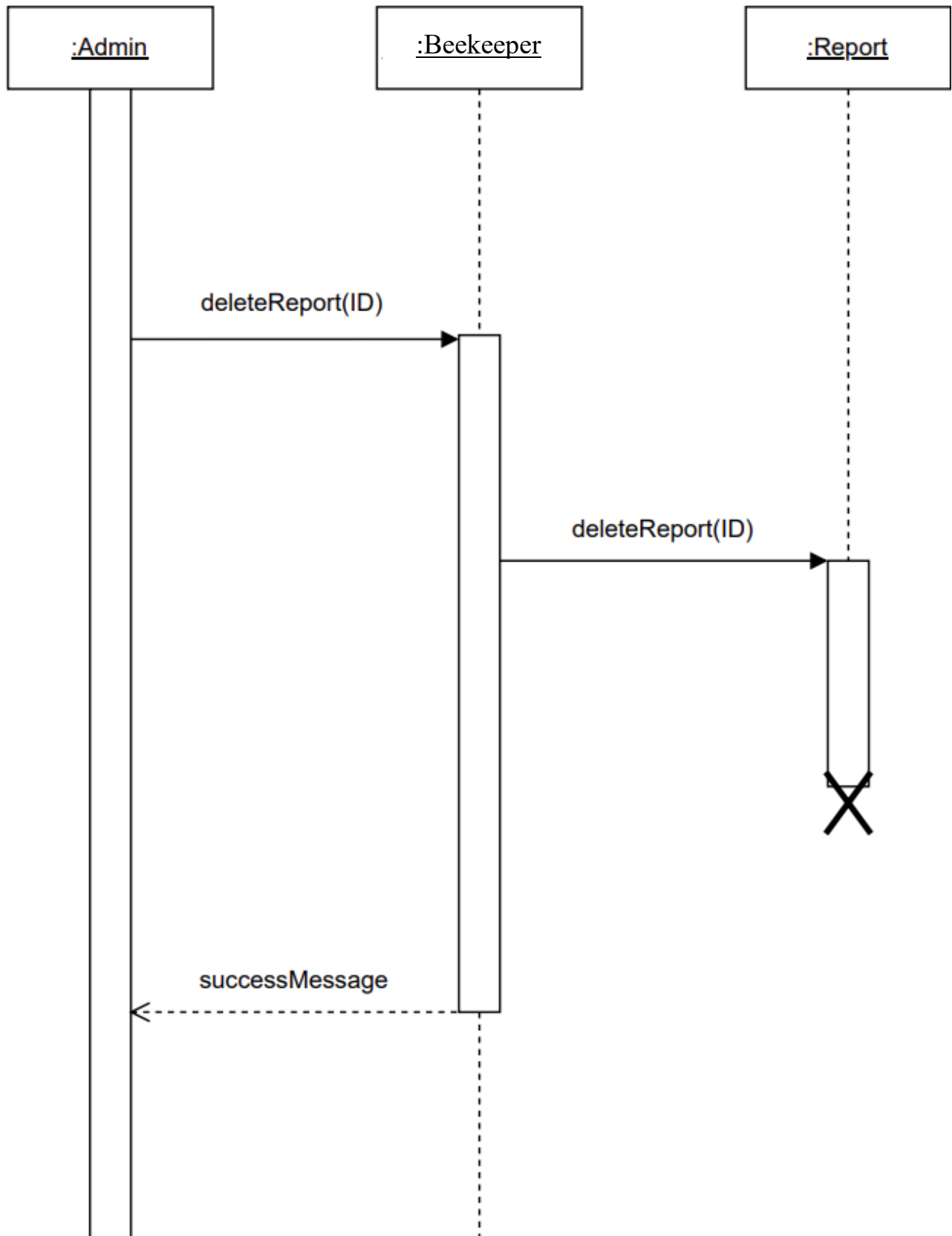
4.22 DSD-22: DSD for UC-27 buy subscription

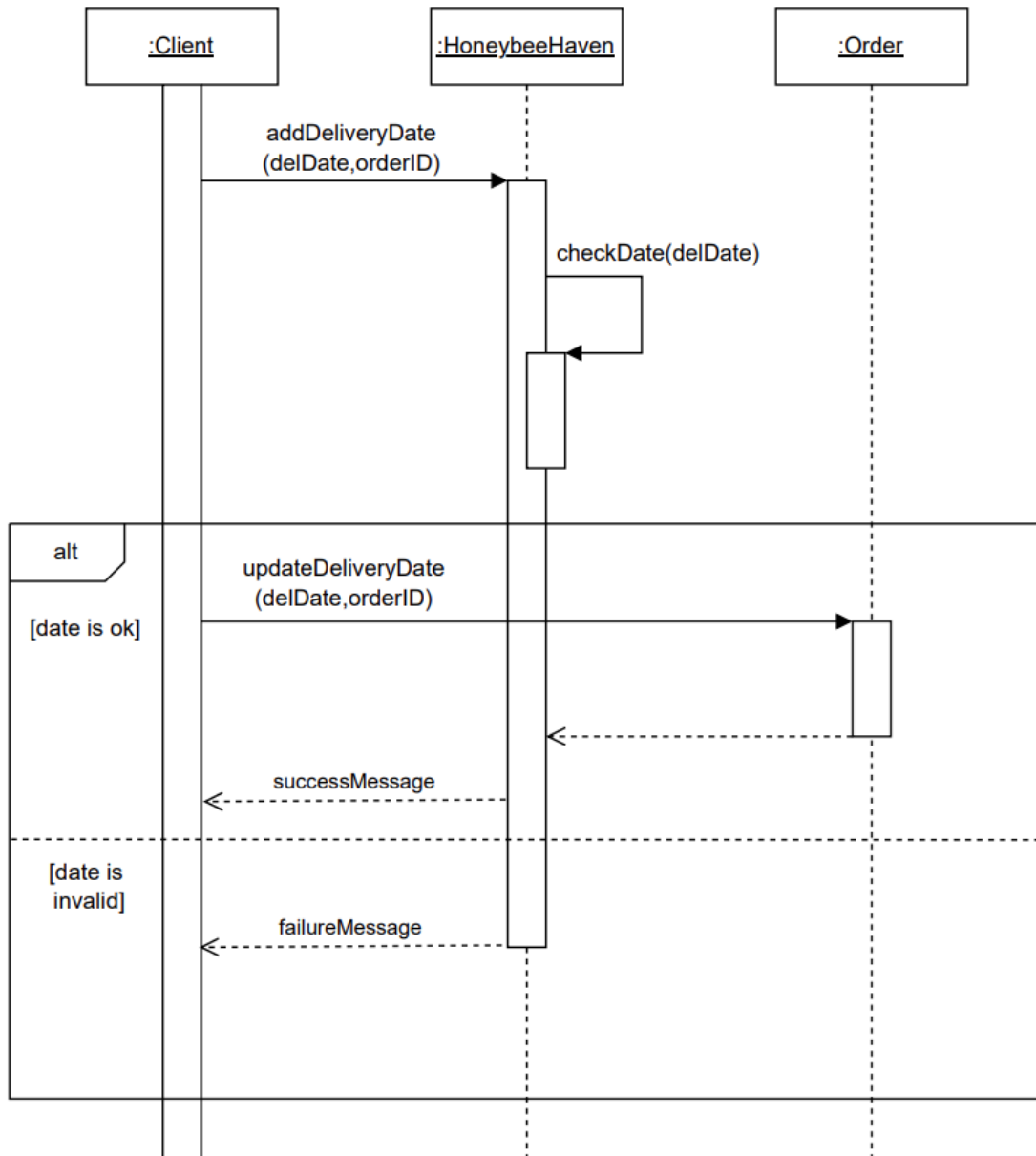
4.23 DSD-23: DSD for UC-28 place order

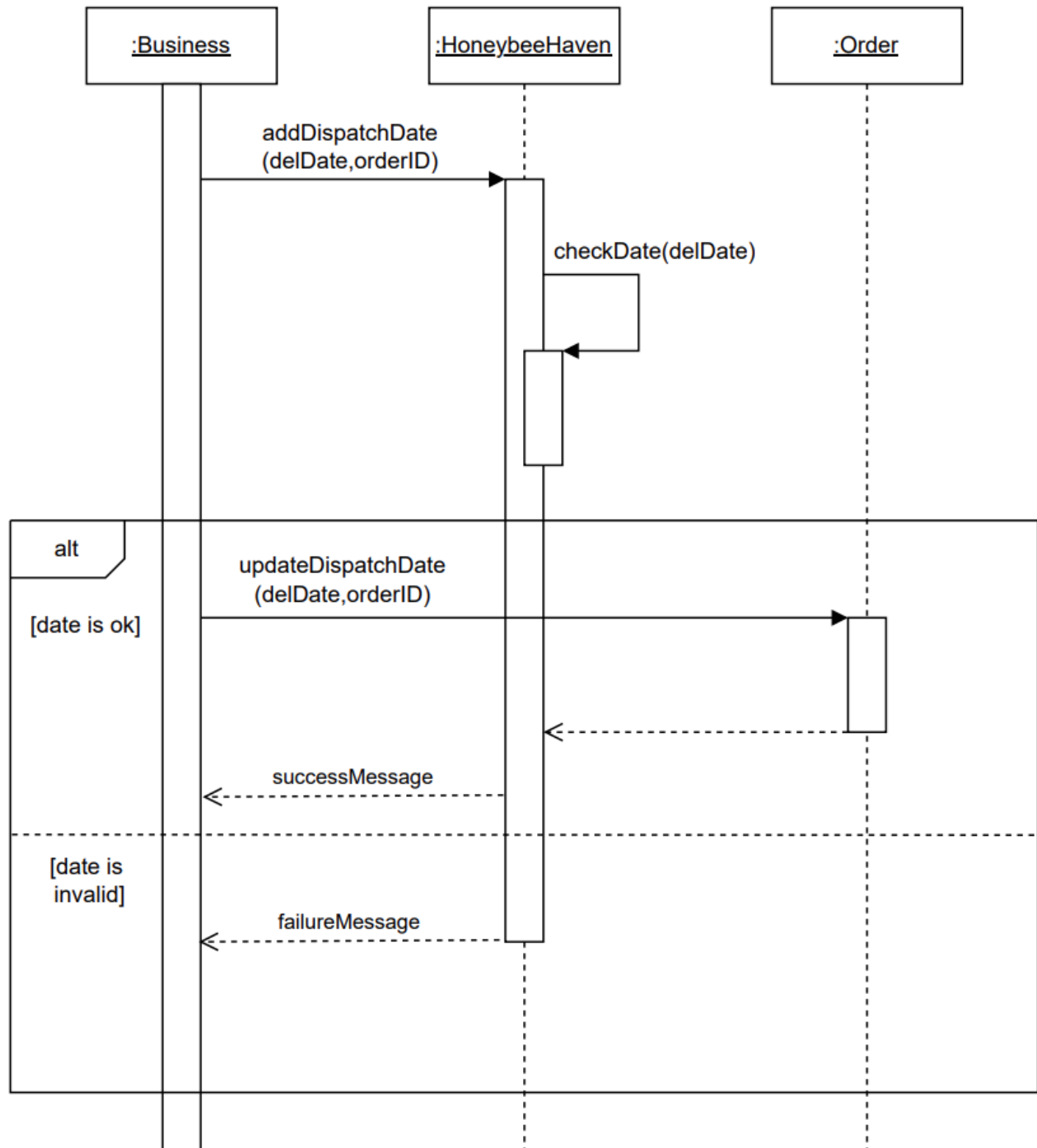


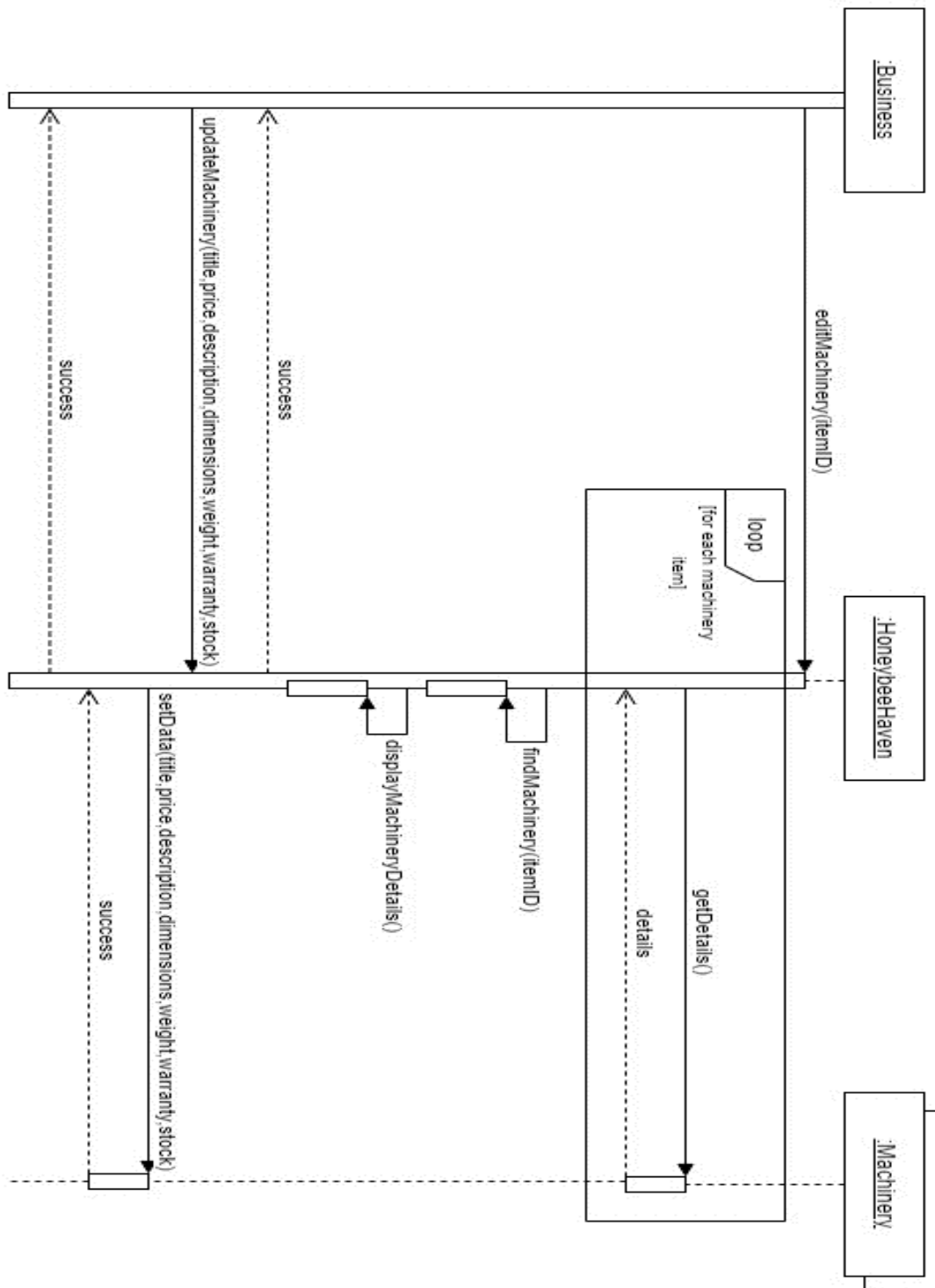
4.24 DSD-24: DSD for UC-32 delete user

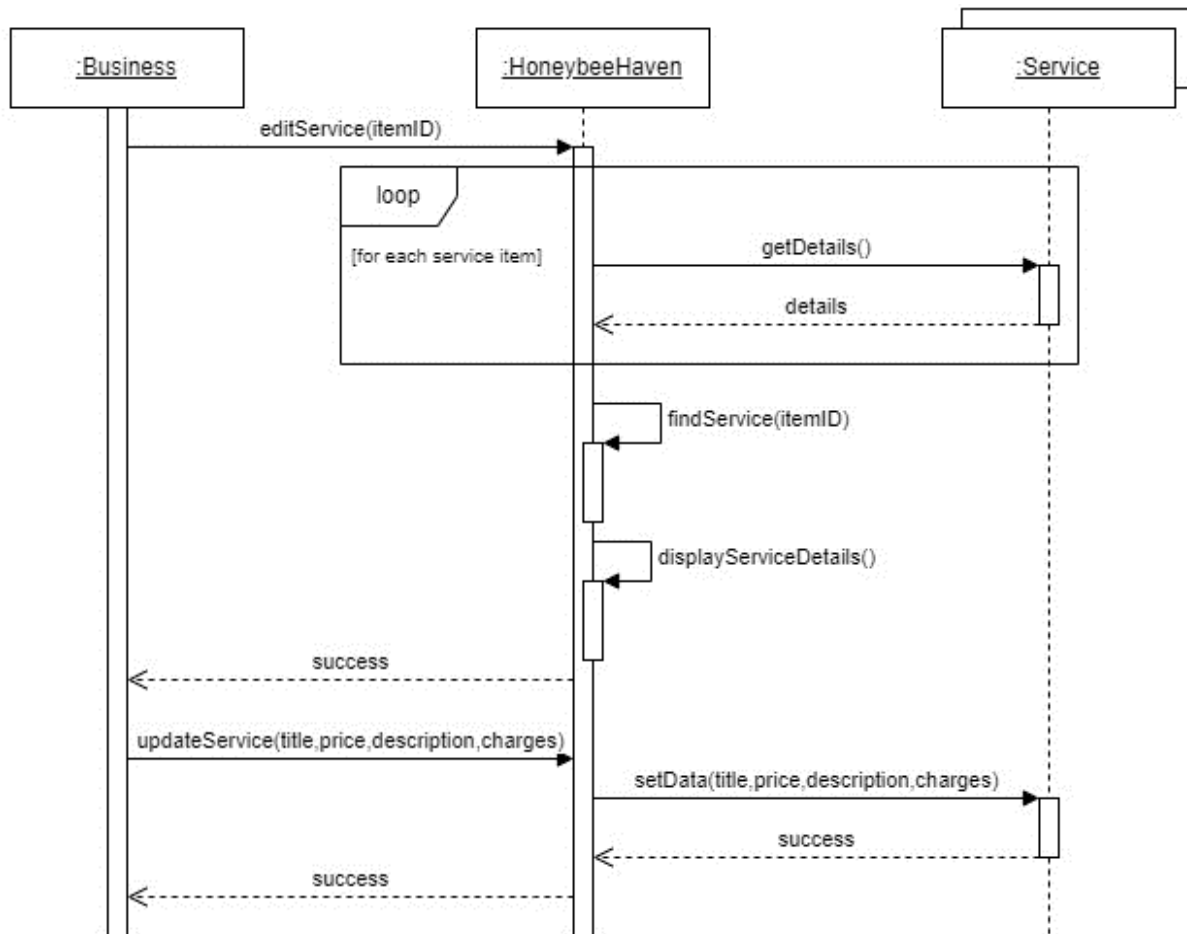
4.25 DSD-25: DSD for UC-33 delete feedback

4.26 DSD-26: DSD for UC-34 dismiss report

4.27 DSD-27: DSD for UC-17 update order status as client

4.28 DSD-28: DSD for UC-18 update order status as business

4.29 DSD-29: DSD for UC-35 edit machinery

4.30 DSD-30: DSD for UC-36 edit service

4.31 DSD-31: DSD for UC-37 edit chemical

