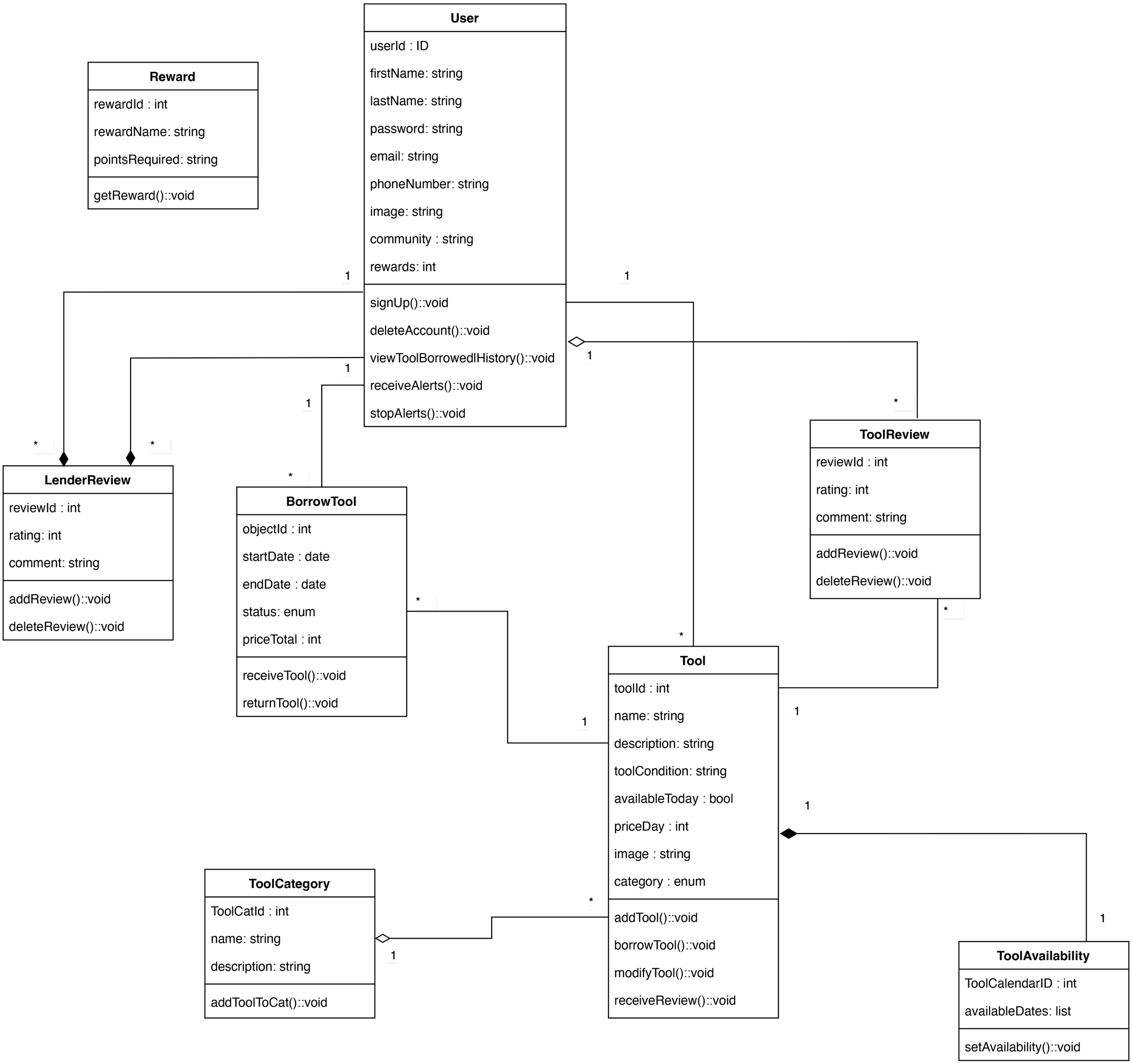
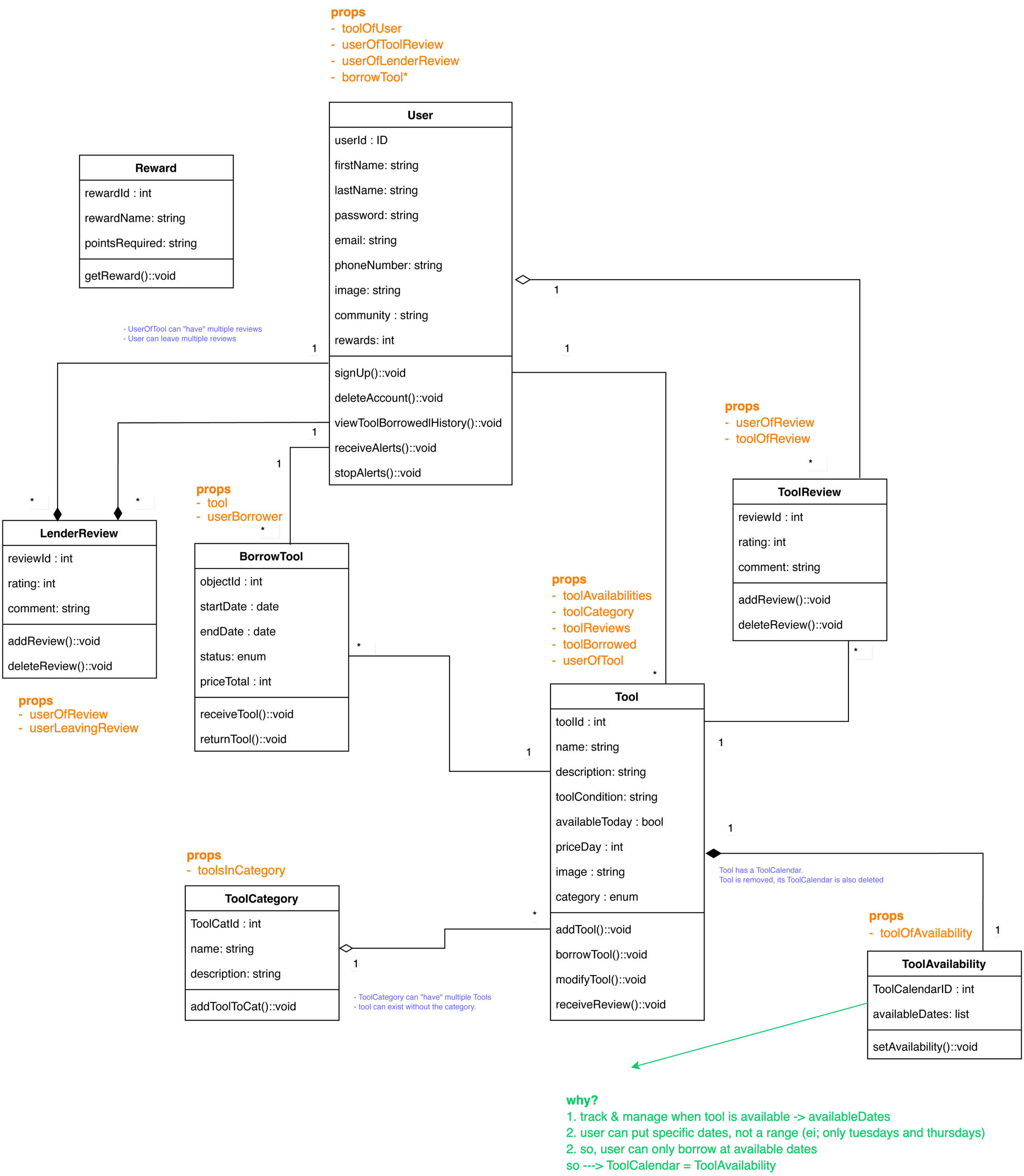

Reward
rewardId : int
rewardName: string
pointsRequired: string
getReward()::void
User
userId : ID
firstName: string
lastName: string
password: string
email: string
phoneNumber: string
image: string
community : string
rewards: int
signUp()::void
deleteAccount()::void
viewToolBorrowedlHistory()::void
receiveAlerts()::void
stopAlerts()::void
LenderReview
reviewId : int
rating: int
comment: string
addReview()::void
deleteReview()::void
BorrowTool
objectId : int
startDate : date
endDate : date
status: enum
priceTotal : int
receiveTool()::void
returnTool()::void
ToolReview
reviewId : int
rating: int
comment: string
addReview()::void
deleteReview()::void
Tool
toolId : int
name: string
description: string
toolCondition: string
availableToday : bool
priceDay : int
image : string
category : enum
addTool()::void
borrowTool()::void
modifyTool()::void
receiveReview()::void
ToolCategory
ToolCatId : int
name: string
description: string
addToolToCat()::void
ToolAvailability
ToolCalendarID : int
availableDates: list
setAvailability()::void


props
- toolOfUser
- userOfToolReview
- userOfLenderReview
- borrowTool*
User
userId : ID
firstName: string
lastName: string
password: string
email: string
phoneNumber: string
image: string
community : string
rewards: int
signUp()::void
deleteAccount()::void
viewToolBorrowedlHistory()::void
receiveAlerts()::void
stopAlerts()::void
Reward
rewardId : int
rewardName: string
pointsRequired: string
getReward()::void
- UserOfTool can "have" multiple reviews
- User can leave multiple reviews
1
1
1
1
1
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*
*
*
*
*
1
1
1
1
1
1
*
props
- userOfReview
- toolOfReview
ToolReview
reviewId : int
rating: int
comment: string
addReview()::void
deleteReview()::void
LenderReview
reviewId : int
rating: int
comment: string
addReview()::void
deleteReview()::void
props
- userOfReview
- userLeavingReview
props
- tool
- userBorrower
BorrowTool
objectId : int
startDate : date
endDate : date
status: enum
priceTotal : int
receiveTool()::void
returnTool()::void
props
- toolAvailabilities
- toolCategory
- toolReviews
- toolBorrowed
- userOfTool
Tool
toolId : int
name: string
description: string
toolCondition: string
availableToday : bool
priceDay : int
image : string
category : enum
addTool()::void
borrowTool()::void
modifyTool()::void
receiveReview()::void
Tool has a ToolCalendar.
Tool is removed, its ToolCalendar is also deleted
props
- toolOfAvailability
ToolAvailability
ToolCalendarID : int
availableDates: list
setAvailability()::void
props
- toolsInCategory
ToolCategory
ToolCatId : int
name: string
description: string
addToolToCat()::void
- ToolCategory can "have" multiple Tools
- tool can exist without the category.
why?
1. track & manage when tool is available -> availableDates
2. user can put specific dates, not a range (ei; only tuesdays and thursdays)
2. so, user can only borrow at available dates
so ---> ToolCalendar = ToolAvailability