

CS 40800: Defect Log (Sprint 2)

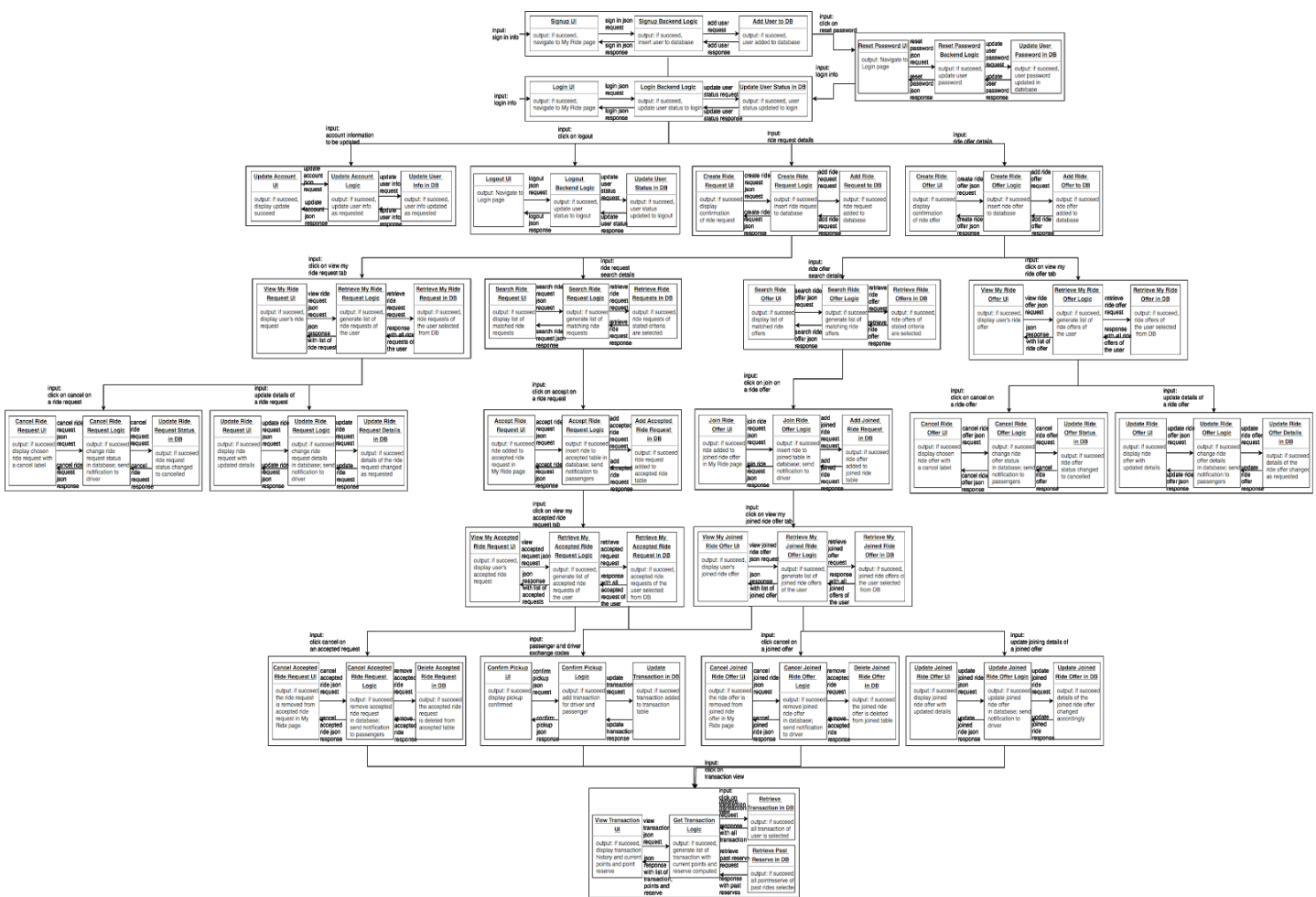
Project Title: Boileride

Team 3: Oi Kam Chow (ochow), Kuan-Ting Wu, Ley Yen Choo, Ryan Teo Yii Wen, WeiYuan Chung, Yuang Huang

Classification of Components

1.1 Define All Components

(Please refer to the ComponentDiagram.png in the same folder for a larger image)



Design Inspection Defects

Product	Boileride System Design Inspection		
Date	10/4/2018		
Author	Whole Team 3		
Moderator	Oi Kam Chow		
Inspectors	Kuan-Ting Wu, Ryan Teo Yii Wen, WeiYuan Chung, Yuang Huang		
Recorder	Ley Yen Choo		
Defect #	Description	Severity	How Corrected
1	In client-server api, /ride/view/request, /ride/view/offer, /ride/view/acceptedrequest, /ride/view/joinedoffer, nickname is also needed, not just the id	2	Added nickname of user in the reponse of those requests
2	There should not be multiple ride requests in one single trip.	2	Removed multiple ride requests in one single trip.

Product	Frontend UI Design Inspection		
Date	10/8/2018		
Author	Ryan Teo Yii Wen, Ley Yen Choo		
Moderator	WeiYuan Chung		
Inspector	Oi Kam Chow (ochow), Kuan-Ting Wu		
Recorder	Yuang Huang		
Defect #	Description	Severity	How Corrected
1	My Rides dropdown menu on My Points page does not appear in the right place.	3	Added the right css to align it properly.

2	UI does not show clearly and easily the status of rides.	3	Adding colored borders on rides to clearly and easily show the status.
3	Second modal for entering pickup code is not showing after dismissing the first modal	2	Linked it to a new page instead of adding another modal
4	Unable to show code retrieve from the backend server in another page	2	Storing the value of the pick up code in a local storage
5	Details for Ride Offer not showing up when double clicked.	2	Fixing the variable names we used to save the details of the ride offer.
6	The color of hovering background is too similar to dim red, causing users to potentially think that all rides are cancelled	3	Changed the background color to green for ongoing and red for cancelled
7	Sorting of rides in view ride offer and view ride request is undesirable.	3	Implement sorting system to show ongoing rides first and cancelled next.

Product	Boileride Server Design Inspection		
Date	10/8/2018		
Author	Oi Kam Chow (ochow), Kuan-Ting Wu, Yuang Huang		
Moderator	Ryan Teo Yii Wen		
Inspectors	WeiYuan Chung		
Recorder	Ley Yen Choo		
Defect #	Description	Severity	How Corrected
1	In posting ride request and ride offer, the server should also check the locations, traveling time and price from client's request for the sake of security.	2	Verified the locations, traveling time, and price in server after receiving the request before accepting the request
2	Single threaded server is not enough for handling large amounts of client requests from large number of users.	2	Used Servlet to build the server.

3	Using session to store login and logout state of a client instead of using the state stored in database.	2	Used session to support tracking login and logout state
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Product	Boileride Database Design Inspection		
Date	10/8/2018		
Author	WeiYuan Chung		
Moderator	Oi Kam Chow		
Inspectors	Ryan Teo Yii Wen		
Recorder	Ley Yen Choo		
Defect #	Description	Severity	How Corrected
1	Column for pickup code should be added to tables ACCEPTEDRIDEREQUEST and JOINEDRIDEOFFER to store the codes generated for pickup confirmation	1	Add the corresponding columns
2	Column for point reserve should be added to table USER to store the amount of points reserved for certain actions	1	Add the corresponding column
3	Columns triporder and joindate should be added to table JOINEDRIDEOFFER to keep track of the offers joined in a multiple ride trip	1	Add the corresponding column
4	Columns should be added to tables ACCEPTEDRIDEREQUEST and JOINEDRIDEOFFER to keep track of the pickup confirmation status and the ride status separately.	1	Add status columns in the corresponding table

Code Inspection Defects

Product	Frontend Inspection		
Date	10/11/2018		
Author	Ryan Teo Yii Wen, Ley Yen Choo		
Moderator	WeiYuan Chung		
Inspector	Oi Kam Chow (ochow), Kuan-Ting Wu		
Recorder	Yuang Huang		
Defect #	Description	Severity	How Corrected
1	Price of ride is not correct with multiple passengers.	2	Fixed price calculation to take number of passengers in account.
2	Unable to show the pick up code retrieved from backend server	2	Created a sample text and later replace that text from jquery using .html() function
3	Certain javascript and css files are unable to load properly	1	Corrected the directory path for the js and css link included in the html header
4	CSS failed to change dynamically according to the status of the ride request such that ongoing ride request font should be in blue color while cancelled ride request font should be in red color	3	Assigned each of the status with corresponding border class such as border-success and border-danger everytime the page refreshes and retrieve a success response from the backend server instead of changing the color of the fonts
5	Server request while confirming pickup code is invalid because of insufficient information on the joined user id	1	Stored the joined user IDs in a local storage and retrieve it when confirming pickup code

Product	Server Module Inspection		
Date	10/11/2018		
Author	Oi Kam Chow (ochow), Kuan-Ting Wu, Yuang Huang		
Moderator	WeiYuan Chung		

Inspector	Ryan Teo Yii Wen		
Recorder	Ley Yen Choo		
Defect #	Description	Severity	How Corrected
1	RideViewAcceptedRequestResponse and RideViewJoinedOfferResponse should have parameter of an ArrayList, not an array of ArrayList	2	Corrected the parameter accordingly.
2	DTO RideAcceptedRequestPickupRequest missing constructor	2	Added constructor
3	Date and time should be checked before generating pickup code and confirm pickup code in order to make sure pickup and confirmation happens within 30 mins of the expected date and time of ride	2	Checked date and time before generating pickup code and confirm pickup code
4	Generate 6-digit code should put 899999, not 999999 as the maximum if adding 100000 as the minimum in random generator	2	Corrected the maximum in random generator accordingly
5	JoinedOffer parameter should be offerid instead of requestid	1	Corrected the typo
6	chargeFailConfirmationFee() in PointCalculator.java should only retrieve rides that pass thirty minutes of the datetime of ride	1	Checked date and time of rides before claiming them as failing confirmation
7	Only allow generating pickup code when ride status==1, not <=1	3	Changed accordingly.
8	In PointCalculator, should use the wrapper function recordTransaction() instead of directly calling addTransaction() in DatabaseCommunicator	3	Replaced DatabaseCommunicator.addAction() with recordTransaction() in PointCalculator

Product	Database and Queries Inspection
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Date	10/11/2018		
Author	WeiYuan Chung		
Moderator	Kuan-Ting Wu		
Inspector	Oi Kam Chow (ochow), Ryan Teo Yii Wen, Ley Yen Choo		
Recorder	Yuang Huang		
Defect #	Description	Severity	How Corrected
1	In DatabaseCommunicator function selectCurrentOfferList(), the query should be offeredby not r.offeredby	1	Changed accordingly
2	In DatabaseCommunicator function selectRequestList() and selectOfferList(), the parameter should be requestuserstatus and offeruserstatus respectively instead of pickupstatus	1	Changed accordingly

Unit Testing Defects

Product	Frontend Unit Testing		
Date	10/12/2018		
Author			
Defect #	Description	Severity	How Corrected
1	My points values are not accurate with the values in the database.	2	Changing the variable names to get the right point values.
2	The list in myOffer does not appear everytime when navigate to the page	1	Corrected all the attribute names in JSON
3	Values does not show up in the modal of the offer ride details	2	Corrected all the variable names accordingly to the html IDs
4	The list in myRequest disappears	1	Corrected the directory path of the

	after refreshing or redirect back to the page		js and css of myRequest in the html header
5	Transaction list not retrieving the some transactions.	2	Fixing listing functionality to show all the transactions accurately.
6	Program unable to proceed when driver confirming pick up code from passenger	1	Added passenger list with unique IDs to verify the passengers individually
7	Cancel offer ride does not cancel rides properly	1	Added href="/myRides/myOffer/cancel" in myOffer.html

Product	Post Ride Request/ Offer (with traveling time/ price verification) Backend Testing		
Date	10/10/2018		
Author	Oi Kam Chow		
Defect #	Description	Severity	How Corrected
1	The price of ride request should be a total price, that is the unit price * the number of passengers rather than simply the unit price	1	Corrected the amount of price to total price when verifying the price
2	The traveling time from request is in second not in minute.	1	Corrected the time for comparison from minute to second by multiplying by 60

Product	Request Handling Backend Testing		
Date	10/12/2018		
Author	Oi Kam Chow		
Defect #	Description	Severity	How Corrected
1	Forgot to add Servlet handler for all the uri in sprint 2	1	Added Servlet handler for the missed uri

Product	Point/ Transaction System Backend Testing		
Date	10/12/2018		
Author	Oi Kam Chow		
Defect #	Description	Severity	How Corrected
1	In DatabaseCommunicator function addTransaction(), the query should be foruserid not foruseid	1	Corrected typo accordingly
2	When view transaction, also need to update whether there are any fail confirmation fee	1	Added function chargeFailConfirmationFee() to function viewTransaction()
3	In chargeFailConfirmationFee(), should also add transaction record when points are deducted	2	Added function addTransaction() to chargeFailConfirmationFee() when user did not get pickup code for their rides

Product	Ride Search Backend Testing		
Date	10/12/2018		
Author	Yuang		
Defect #	Description	Severity	How Corrected
1	Ride offer search returns trips that have rides overlapping with each other.	2	Changed the date to search in database from the trip's departure time to the previous ride's departure time plus the travelling time.
2	Ride offer search returns trips that have rides not meeting the ride preferences.	2	Changed the requirement to search in database from previous ride's preferences to the request's preferences.
3	Program crashes when searching with invalid request fields.	3	Added validation on request fields.
4	Ride offer search alter returns trips that have rides overlapping with the unaltered ones.	2	Added check on whether the last altered ride's arrival time is before the closest unaltered ride's

			departure time.
5	Ride offer search returns trips with pick up location exceeds target proximity.	2	Separated cases where the first altered ride is or is not the first ride of the original trip.
6	Ride offer search returns trips with destination exceeds target proximity.		Separated cases where the last altered ride is or is not the last ride of the original trip.

