

**BLG 475E Homework 3**  
**Report**  
**Baran Kaya - 150130032**  
**Kürşat Yaşar - 150130064**

<b>Reviewer Name</b>	<b>Kürşat Yaşar</b>
<b>Group Name</b>	<b>Grey Owls</b>

<b>Timing for reviewing code</b>	<b>2 hour 40 minutes</b>
<b>Start Time</b>	<b>7.12.17 00.30</b>
<b>End Time</b>	<b>7.12.17 3.10</b>
<b>Interruptions</b>	<b>2 hour 15 minutes (8.12.2017-18:00)</b>
<b>Total Time</b>	<b>4 hours</b>

**Defects Found**

<b>Location (Line #)</b>	<b>Description (Describe problem, not solution)</b>	<b>Classification</b>	<b>Use Case Number</b>
<b>3.1.6</b>	<b>Not only position but also information of driver has to sent to system</b>	<b>major</b>	<b>2.4-3</b>
<b>3.1.15</b>	<b>Become available and send position(zone)</b>	<b>minor</b>	
<b>3.1.18</b>	<b>In created channel all sounds of car is sent to central</b>	<b>minor</b>	<b>2.7-1</b>
<b>3.1.21</b>	<b>This can only be cancelled by operator(kısıtlayıcı)</b>	<b>minor</b>	<b>2.7-3</b>
<b>3.1.25</b>	<b>Receiving order is not about current status car</b>	<b>major</b>	<b>2.10-2</b>
<b>3.1.28</b>	<b>2 minutes is not specified in requirements</b>	<b>minor</b>	<b>2.5-3b</b>
<b>3.1.42</b>	<b>There is not any knowledge about using terminal</b>	<b>minor</b>	<b>2.4-3</b>
<b>General</b>	<b>Can operator get order from customer?</b>	<b>major</b>	

### Summary

<b># major defects found</b>	<b>3</b>
<b>Major defect detection rate (maj / hr)</b>	<b>3/11</b>
<b>Lines of code (LOC) reviewed</b>	
<b>Review rate (LOC/hr)</b>	
<b>Defect density (major / kLOC)</b>	

<b>Reviewer Name</b>	<b>Baran Kaya</b>
<b>Group Name</b>	<b>Grey Owls</b>

<b>Timing for reviewing code</b>	
<b>Start Time</b>	<b>7.12.17 14:30</b>
<b>End Time</b>	<b>7.12.17 16.17</b>
<b>Interruptions</b>	<b>2 hours 15 minutes (8.12.2017 18.00)</b>
<b>Total Time</b>	<b>~4hours</b>

#### **Defects Found**

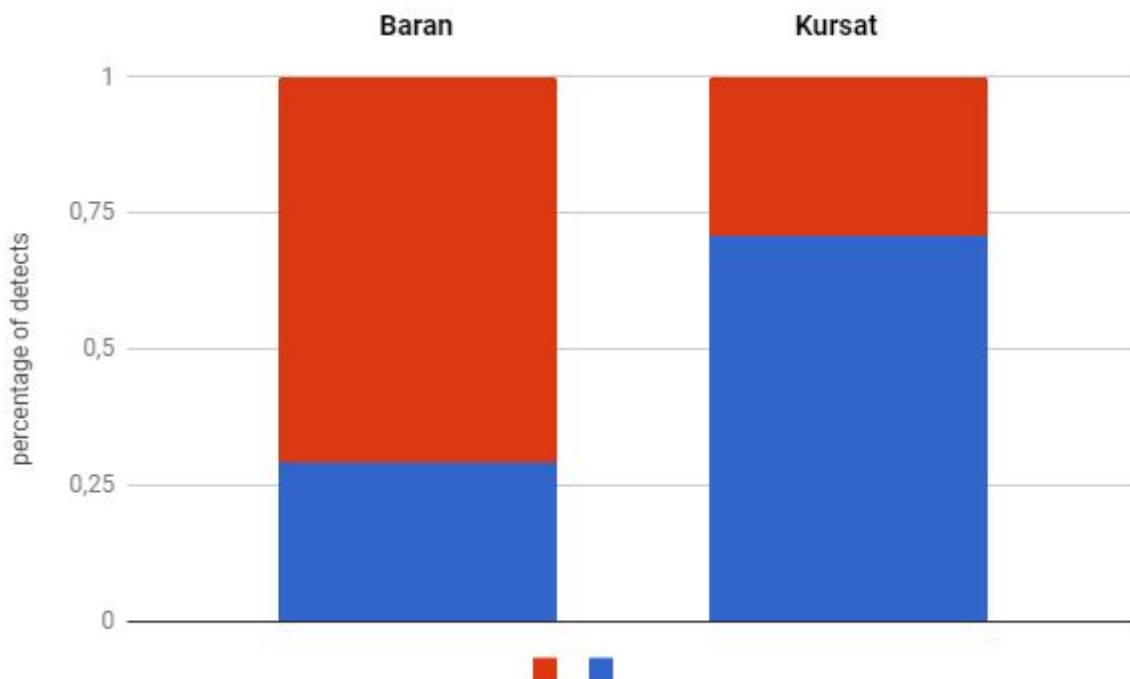
<b>Location (Line #)</b>	<b>Description (Describe problem, not solution)</b>	<b>Classifica tion</b>	<b>Use Case Number</b>
<b>3.1.3</b>	<b>Driver should use his/her ID card to login.</b>	<b>major</b>	<b>2.4/2</b>
<b>3.1.11</b>	<b>When the taxi is in driving state and has a customer.</b>	<b>minor</b>	<b>2.6/9</b>
<b>3.1.13</b>	<b>Driver already said the arrival time, why system calculates it?</b>	<b>minor</b>	<b>2.6/9</b>
<b>3.1.26</b>	<b>If driver is not in state “Avaliable” it should not submit new orders because taxi has a customer or offline.</b>	<b>major</b>	<b>2.1</b>
<b>3.1.28</b>	<b>Timeout limit is 2 minutes. (Missing info)</b>	<b>minor</b>	<b>2.5/3b</b>
<b>3.1.40&amp; 42</b>	<b>What is the purpose of seeing other taxis? (Unnecessary)</b>	<b>minor</b>	<b>2.9/2&amp;3</b>
<b>3.1.49</b>	<b>Driver knows himself/herself properties. (Unnecessary)</b>	<b>minor</b>	
<b>3.2.2</b>	<b>If operator is logged out system should warn the other users.</b>	<b>major</b>	

3.2.10	If the situation is false alarm operator can reset the alarm.	minor	2.7/1b
3.2.16	If taxi's current state is soon available.	minor	
3.2.22	Automatic or manual both dispatched orders can be canceled by driver.	major	
3.2.33	Sending all zones information is unnecessary.	minor	
3.2.35-38	If operator update the property it will change in the system, so why system should acknowledge it. System already know.	minor	
3.3.8	Wireless communication links sends the messages all taxis in the coverage area. Taxi's message system should decide if that message come to this taxi or not.	major	
3.4.1	...when the car state is not offline. Operator can request the car's current position.	major	
4.1.1	If state is driving, it sends the exact positions only to the central not all users.	minor	2.3/1
4.1.4	If communication system does not work how can taxi and central communicate?	major	
4.1.5	Communication system will not work out of range.	major	
4.1.8	Is that mean 7/24? (Ambiguous)	minor	

### Summary

# major defects found	8
Major defect detection rate (maj / hr)	8/11
Lines of code (LOC) reviewed	
Review rate (LOC/hr)	
Defect density (major / kLOC)	

Inspection member	Severe defects (individually found /agreed by all reviewers/ missed by the inspector)	Moderately severe defects (individually found/ agreed by all reviewers / missed by the inspector)	Minor defects (individually found/ agreed by all reviewers/ missed by the inspector)
Baran Kaya	3/3/1	6/5/5	9/8/8
Kürşat Yaşar	2/2/2	2/2/1	4/4/3
Final number of defects reported by all members	4	6	11



Red -> found defects, Blue -> missed defects

**d1: defects found by Baran** -> 17  
**d2: defects found by Kürşat** -> 7  
**d12: defects detected by both of us** -> 2  
**Nt: (d1\*d2)/d12** -> 59.5  
**Nr: Nt-(d1+d2-d12)** -> 37.5