

UNIVERSITY OF THE ARMED FORCES – ESPE
WS37 - REVIEW PROJECT

Name: Joel Alexander Zeas Clavijo

Date: 24th February 2022

NRC: 7490

Career: Telecommunications

Inspector: T3: (TeamWorkBots) Leader: Andy Calderon

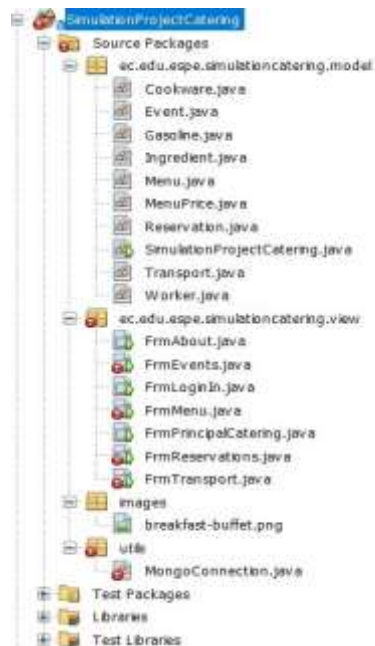
Team: T9 (No Leader Team) Leader: Zeas

Project: Catering Planner

- 41 TERAN FLORES MELANIE ELIZABETH
- 42 VILLEGAS ESTRELLA SALMA ABIGAIL
- 43 ZEAS CLAVIJO JOEL ALEXANDER

Modularity	9/10	(no controller package)
Clean code	9/10	(commented code)
MVC	8/10	
One design pattern	0/10	
Diagrams consistency	10/10	
Unit tests	10/10	
GUI navigability	10/10	
GUI fields validation	9/10	
Functionality	10/10	
MongoDB	10/10	
TOTAL	85 /100	

Modularity



It is well distributed but missing controller package

Clean code

```
private void btnUpdateRActionPerformed(java.awt.event.ActionEvent evt) {
    // TODO add your handling code here:
    MongoCursor<Document> query = Reservation.find().iterator();

    int total = table.getRowCount();
    for (int i = 0; i < total; i++) {
        table.removeRow(0);
    }
    while (query.hasNext()) {
        ArrayList<Object> doc = new ArrayList<Object>(query.next().values());
        table.addRow(doc.toArray());
    }
}

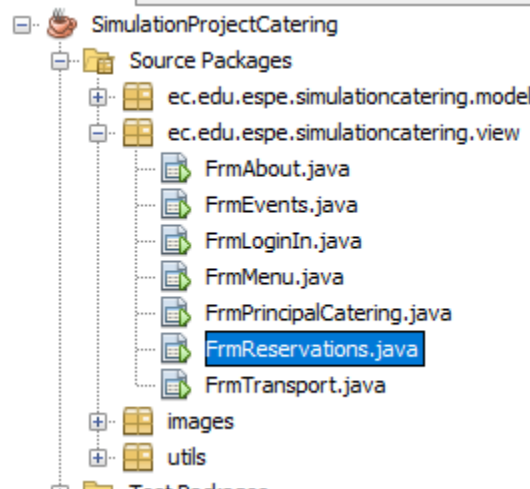
private void txtPhoneKeyTyped(java.awt.event.KeyEvent evt) {
    if (evt.getKeyChar() >= '0' && evt.getKeyChar() <= '9') {

    } else {

        JOptionPane.showMessageDialog(this, "This field must be only filled with numbers, enter again");
        String space = "";
        char blankSpace = space.charAt(0);
        evt.setKeyChar(blankSpace);
    }
}
```

it has code on the buttons

MVC

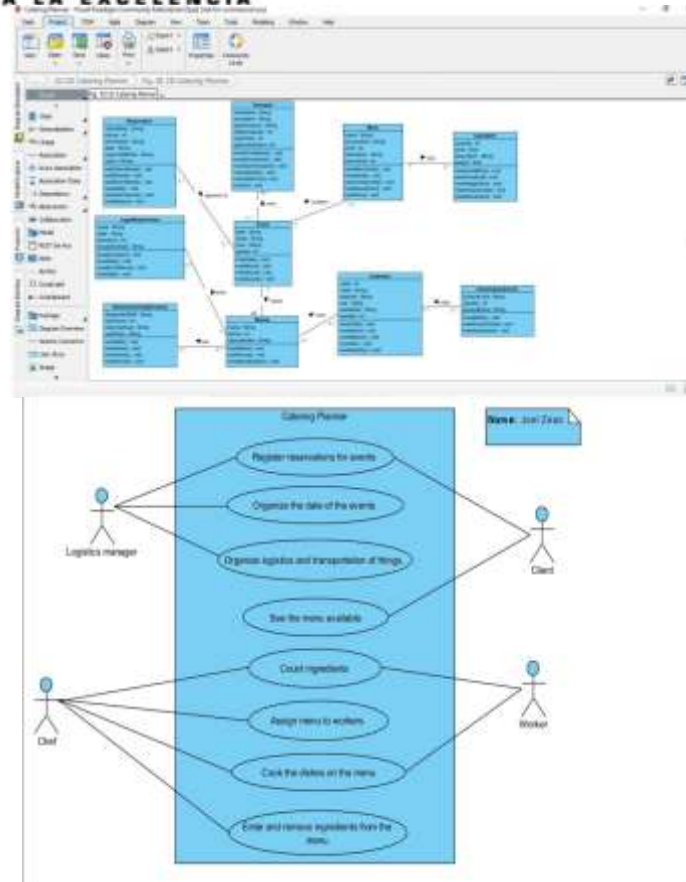


No controller package

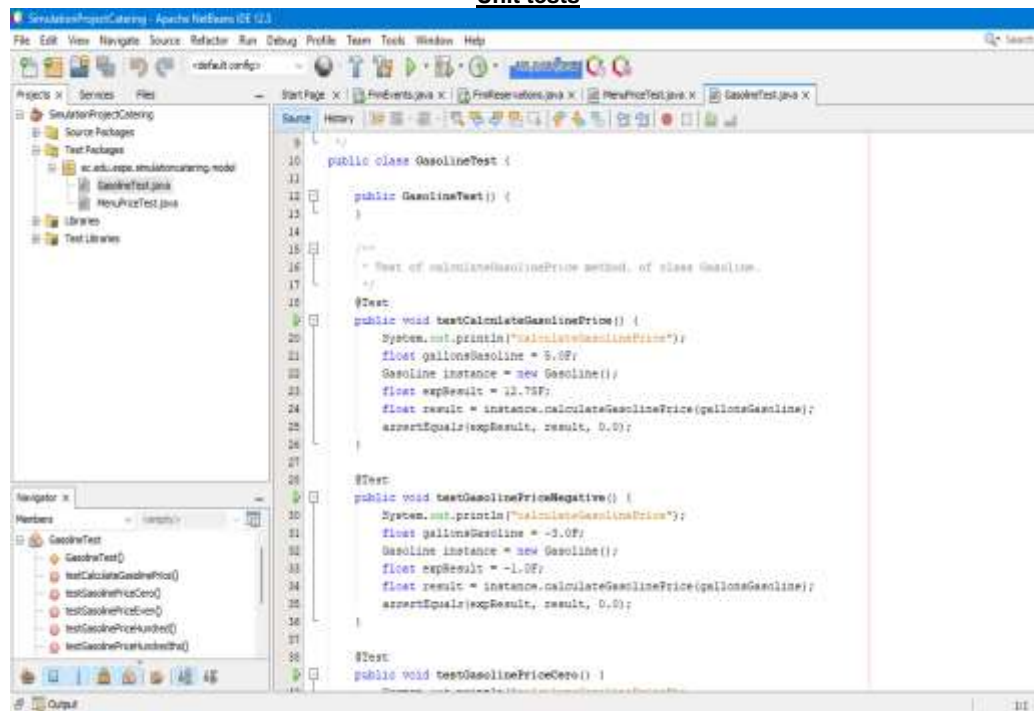
One design pattern

No exist

Diagrams consistency

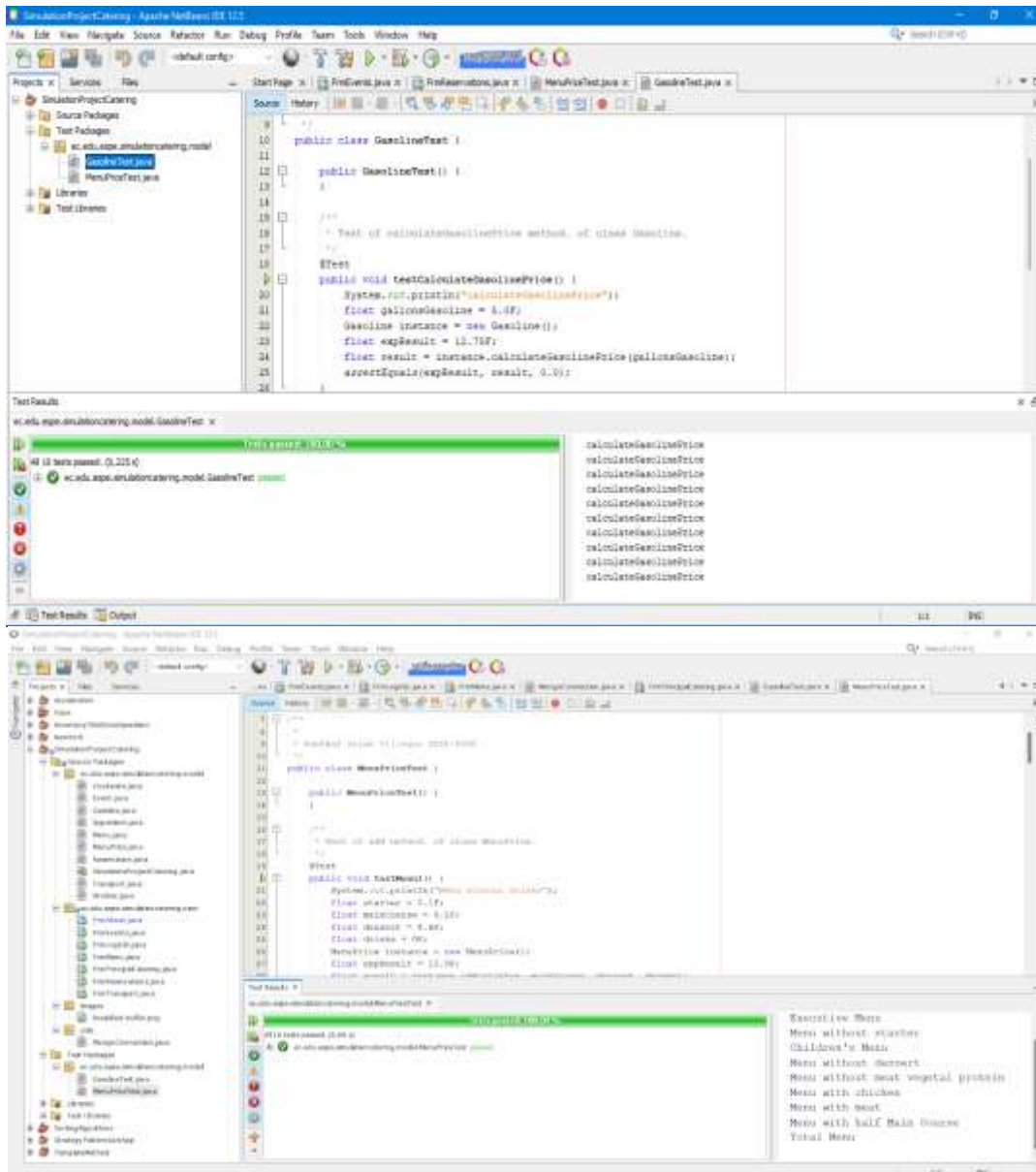


Unit tests



```

1  public class GasolineTest {
2
3      public GasolineTest() {
4      }
5
6      /**
7       * Test of calculateGasolinePrice method, of class Gasoline.
8       */
9      @Test
10     public void testCalculateGasolinePrice() {
11         System.out.println("calculateGasolinePrice");
12         float gallonsGasoline = 5.0F;
13         Gasoline instance = new Gasoline();
14         float expectedResult = 12.75F;
15         float result = instance.calculateGasolinePrice(gallonsGasoline);
16         assertEquals(expectedResult, result, 0.0);
17     }
18
19     @Test
20     public void testGasolinePriceNegative() {
21         System.out.println("calculateGasolinePrice");
22         float gallonsGasoline = -3.0F;
23         Gasoline instance = new Gasoline();
24         float expectedResult = -1.0F;
25         float result = instance.calculateGasolinePrice(gallonsGasoline);
26         assertEquals(expectedResult, result, 0.0);
27     }
28
29     @Test
30     public void testGasolinePriceZero() {
31
32     }
33 }
  
```



GUI fields validation



ESPE

UNIVERSIDAD DE LAS FUERZAS ARMADAS

INNOVACIÓN PARA LA EXCELENCIA

SimulationProjectCatering - Apache NetBeans IDE 12.5

File Edit View Navigate Source Refactor Run Debug Profile Team Tools Windows Help

Search (Ctrl+F)

Project: SimulationProjectCatering

Source: PreEvents.java

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221 private void txtPlaceKeyTyped(java.awt.event.KeyEvent evt) {
222     // TODO and your handling code here:
223     if (evt.getKeyChar() >= '0' && evt.getKeyChar() <= '9') {
224         JOptionPane.showMessageDialog(this, "This field must be only filled with letters, enter again");
225         String space = " ";
226         char blankSpace = space.charAt(0);
227         evt.setKeyChar(blankSpace);
228     } else if (evt.getKeyChar() == '.' || evt.getKeyChar() == '-' || evt.getKeyChar() == ',' || evt.getKeyChar() == '/' || evt.getKeyChar() == '_' || evt.getKeyChar() == '~') {
229         JOptionPane.showMessageDialog(this, "This field must be only filled with letters, enter again");
230         String space = " ";
231         char blankSpace = space.charAt(0);
232         evt.setKeyChar(blankSpace);
233     } else {
234         // do nothing
235     }
236 }
237
238 private void txtGuestsKeyTyped(java.awt.event.KeyEvent evt) {
239     if (evt.getKeyChar() >= '0' && evt.getKeyChar() <= '9') {
240     } else {
241         JOptionPane.showMessageDialog(this, "This field must be only filled with numbers, enter again");
242         String space = " ";
243         char blankSpace = space.charAt(0);
244         evt.setKeyChar(blankSpace);
245     }
246 }
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SimulationProjectCatering (run) | 372 | 100% (100%)

SimulationProjectCatering - Apache NetBeans IDE 12.5

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Search (Ctrl+F)

Project: SimulationProjectCatering

Source: PreReservations.java

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414 String space = " ";
415 char blankSpace = space.charAt(0);
416 if (evt.getKeyChar() >= '0' && evt.getKeyChar() <= '9') {
417     JOptionPane.showMessageDialog(this, "This field must be only filled with letters, enter again");
418     evt.setKeyChar(blankSpace);
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SimulationProjectCatering (run) | 480 | 100% (100%)



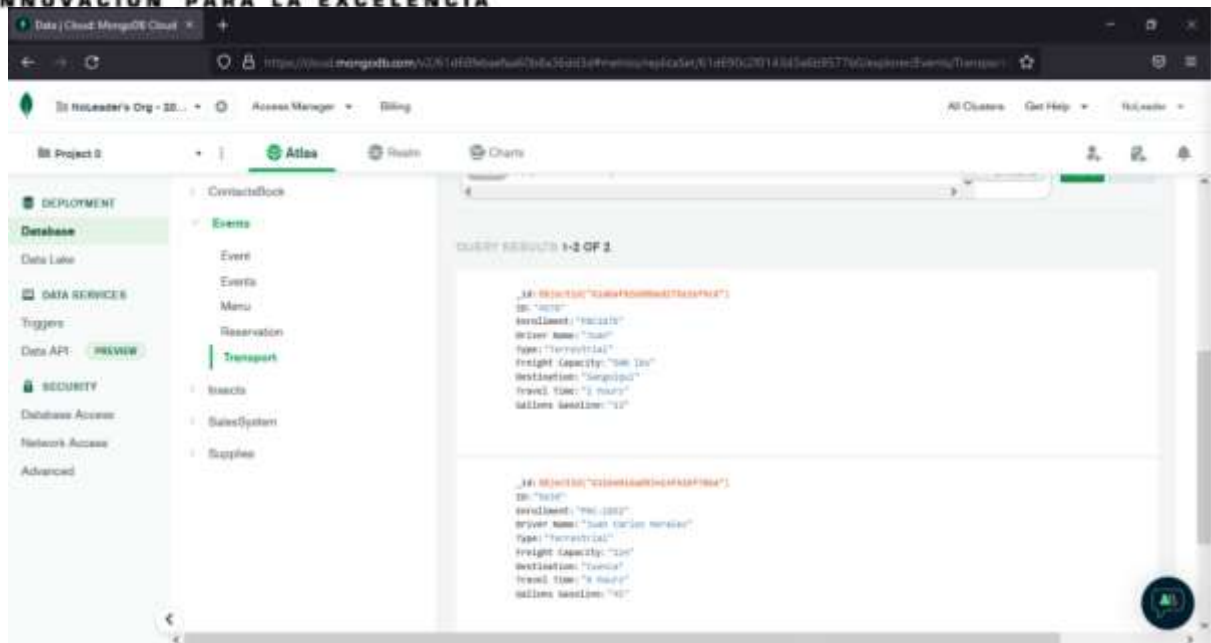
there is not validation in payment
Functionality





The screenshot shows the MongoDB Atlas web interface. The left sidebar contains navigation options: DEPLOYMENT, Database (selected), Data Lake, DATA SERVICES, Triggers, Data API (PREVIEW), SECURITY, Database Access, Network Access, and Advanced. The main content area displays 'QUERY RESULTS 1-3 OF 3' for a query. The first result is a JSON document representing a reservation event:

```
{
  "_id": "603c61e32751b066f750000000000000",
  "id": "100000",
  "client_name": "Name1a",
  "name": "100000000",
  "event_name": "Reserve",
  "date": "1/20/2021",
  "payment_method": "Credit Card",
  "special": "Nothing"
}
```



Execution Video Program Group 9

https://drive.google.com/file/d/1XXOTqJqxpwwCNNH2JG3EELblizxaufY/_view?usp=sharing