

**Universidad de las Fuerzas Armadas**

**CLASS NAME:** OBJECT ORIENTED PROGRAMMING

**TEACHER:** EDISON LASCANO

**NRC:** 14575

**WORKSHOP #:** 38

**TOPIC:** Project Inspection

**Name:** JEFFERSON DAVID YEPEZ MORAN

**Team #5: NullPointerException, Andrés Romero**

Inspector: Team 6 REDERICK SANTIAGO TIPÁN MORENO

Project: DPEXSystem

GitHub: [https://github.com/aarzec/OOP14575\\_NULLPOINTEREXCEPTION](https://github.com/aarzec/OOP14575_NULLPOINTEREXCEPTION)

MongoDB URL:

mongodb+srv://luis:luis2@cluster0.h5n9yna.mongodb.net/?retryWrites=true&w=majority

1. ILHAN RANDY ROGEL VILLA
2. MATEO NICOLAY ROGERON MAILA
3. ANDRÉS ALEJANDRO ROMERO ZAMBRANO
4. LUIS EDUARDO SAGNAY PILAMUNGA

Rubric:

Customer Review Letter

GitHub 100

Project Execution 100

a. Validation 42/50

i. Splash 10/10

ii. Login window 10/10

iii. Forms 9/10 esta en español, y las cabeceras en inglés

iv. Menu options 7/10

v. system functionality 6/10 (2+2+0+2+0)

Add delete and print functionality

b. verification 50

i. input validation 6/10

ii. DB consistency and CRUD operations 8/10

Add into the program the options to allow the user to modify and delete data, not just directly from MongoDB

iii. navigability (menu) 7/10

A lot of menu options and buttons don't work (aren't programmed yet)

iv. Business rules are working OK 3/10

Only some CRUD operations from 2 classes are fully implemented into the program. Business rules detailed from the IEEE aren't implemented.

v. printouts 0/10

Artifacts review 100

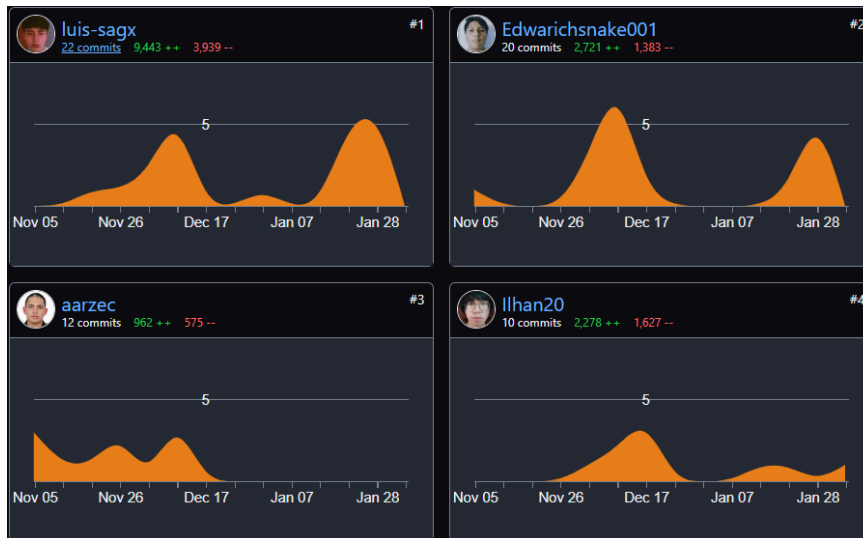
c. User interfaces design (mockup or hand-made) 12/20

- d. Class Diagram 38/40
  - packages 10/10
  - classes attributes (model, view) 3/5 methods 5/5 8/10 (el modelo y el view tienen métodos)
  - Abstract classes or interface 10/10
  - polymorphism 10/10
- e. Use Case Diagram
- f. SRS

Evidence:

Customer Review Letter

GitHub



Project Execution 100

g. Validation 50

i. Splash 10/10



ii. Login window 10/10

**Iniciar Sesión**

Usuario:

Contraseña:

**Iniciar Sesión**

Usuario:

Contraseña:

**ERROR**  
 Usuario y/o contraseña incorrectos  
**OK**

iii. Forms 9/10

DPEX System Electoral Package Country Administrator

**DPEX System**

**CNE**

**Country**

Nombre del país:

Población ecuatoriana:

Oficina Consular:

Dirección:

Circunscripción:

**Add View Menu**

**Electoral Packages**

País:

Peso del paquete en kg:

**Add View Menu**

**BIENVENIDO**

**Electoral Packages**

**Ir**

**Countries**

**Ir**

**Ir**

**Country**

Nombre	Población Ecuatoriana	Oficina Consular	Dirección	Circunscripción
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**Menu**

**Electoral Package**


Id	País	Tipo	Peso	Estado
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**Menu**

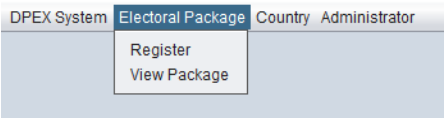
**ERROR**

 Usuario y/o contraseña incorrectos  
**OK**

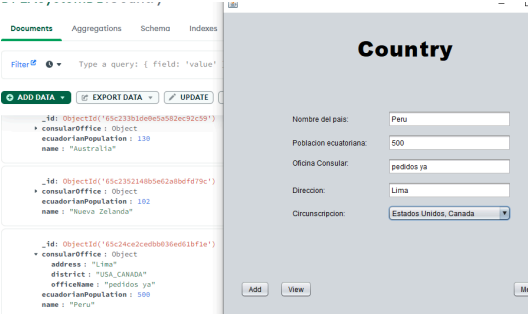
**Error**

 Por favor llene todos los campos  
**OK**

iv. Menu options 7/10



v. system functionality 6/10

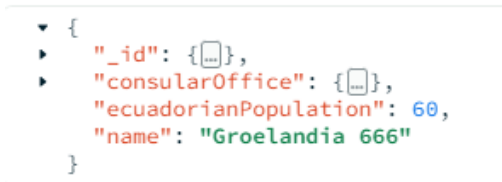
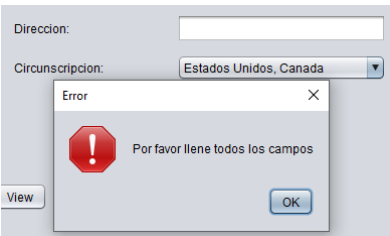


Insert Document  
To collection DPEXSystemDB.Country



h. verification 50

i. input validation 6/10



ii. DB consistency and CRUD operations /10



Nombre	Población Ecuator...	Oficina Consular	Dirección	Circunscripción
Spain	10000	Madrid	Madrid	Europa, Asia y Oc...
Italy	8000	Roma	Roma	Desconocido
Egypt	500	Cairo	Cairo	Desconocido
United States	15000	New York	New York	Desconocido
Colombia	1000	Medellin	Medellin	Desconocido
Portugal	1500	Lisboa	Lisboa	Desconocido
Canada	2500	Ottawa	Ottawa	Desconocido
Cuba	100	La Habana	La Habana	Desconocido
Chile	400	Santiago de Chile	Santiago de Chile	Desconocido
Russia	1500	Ecuadorian Consu...	Moskow	Desconocido
Australia	130	Australian Consu...	44th Ave. & John K...	Europa, Asia y Oc...
Peru	500	pedidos ya	Lima	USA y Canada
Zimbabwe	3	pediditos	kamploose	USA y Canada
Groelandia 666	60	wshv	tif	Europa, Asia y Oc...
Chad	27	Pan	Av. Nueva esperan...	Europa, Asia y Oc...

```
private void mnElectoralPackageActionPerformed(java.awt.event.ActionEvent evt) {  
    // TODO add your handling code here:  
}
```

\_id: ObjectId('65c2f98f2b0bbb7cec9166e5')

consularOffice: Object

ecuadorianPopulation: 27

name: "Chad"

2 consularOffice: Object

3 address: "Av. Nueva esperanza,"

4 district: "EUROPA\_ASIA\_OCEANIA,"

5 officeName: "Pan,"

6 ecuadorianPopulation: 27

7 name: "Chad,"

Document modified.

\_id: ObjectId('65c2352148b5e62a8bdfd79c')

consularOffice: Object

ecuadorianPopulation: 102

name: "Nueva Zelanda"

Document flagged for deletion.

iii.	navigability (menu)	7/10
iv.	Business rules are working OK	3/10
	Specified Requirements	

3.2.3.1) Database management	The system will have an external database containing information about all potential voters. This information should consider details such as the country of residence, the type of division to which they belong, district, and consular office.
3.2.3.1.1) Package tracking	The system must have the capability to track packages sent abroad before the electoral process. For this purpose, the system should assign a unique identification (ID) to each package, enabling its monitoring from the CNE offices to its respective assigned consular office.
3.2.3.1.2) Package classification	The system must categorize each consular office into three distinct categories, which will depend on the number of registered voters in each location.
3.2.3.2) Kit preparation	The system must generate guidelines for the preparation of each electoral kit, which may vary according to the requirements of each consular office.
3.2.3.2.1) Data Verification:	The system must verify the integrity of the data once the electoral kits return to the central offices of the CNE. In the event of disruptions or disputes, appropriate actions will be taken.
3.2.3.3 ) Secure handling	Due to the fact that the electoral packages will return to the CNE offices, transparency and security must be ensured in the transportation, packaging, and delivery of the packages to and from the consular offices and the CNE.

v.	printouts	0/10
	Artifacts review	100
i.	User interfaces design (mockup or hand-made)	12/20

