

# Prueba de Caja Blanca

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*“Catálogo Online”*

**Integrantes:**

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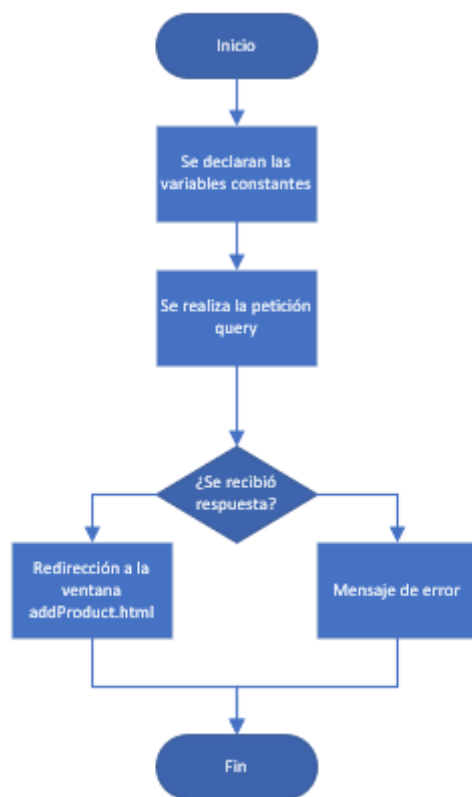
**Fecha En proceso**

## ***REST post/registerProduct***

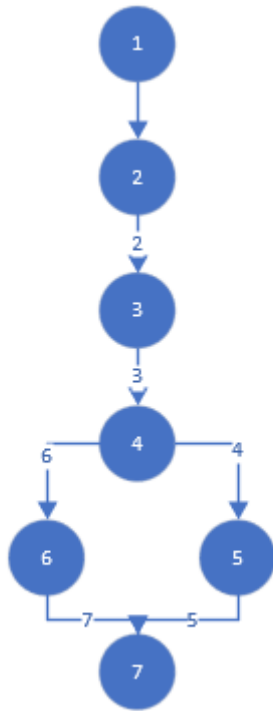
### **Código fuente:**

```
router.post('/registerProduct', (req, res) => {  
  const IDPRODUCT = req.body.IDPRODUCT;  
  const NAMEPRODUCT = req.body.NAMEPRODUCT;  
  const DESCRIPTIONPRODUCT = req.body.DESRIPTIONPRODUCT;  
  const IMAGEPRODUCT = req.body.IMAGEPRODUCT;  
  const PRICE = req.body.PRICE;  
  const AMOUNTPRODUCT = req.body.AMOUNTPRODUCT;  
  const CATEGORY = req.body.CATEGORY;  
  mysqlConnection.query(`INSERT INTO product (IDPRODUCT,NAMEPRODUCT,DESCRIPTIONPRODUCT,IMAGEPRODUCT,PRICE,AMOUNTPRODUCT,`  
    if (err) return res.send(err)  
    res.redirect('/html/addProduct.html');  
  });  
});
```

### **Diagrama de flujo:**



### **Grafo:**



#### Rutas:

**R1:** 1,2,3,4,5,7

**R2:** 1,2,3,4,6,7

#### Complejidad ciclomática:

- $V(G) = \text{número de nodos predicados (decisiones)} + 1$
- $V(G) = 1 + 1 = 2$
- $V(G) = A - N + 2$
- $V(G) = 7 - 7 + 2 = 2$

#### **REST put/IdProduct**

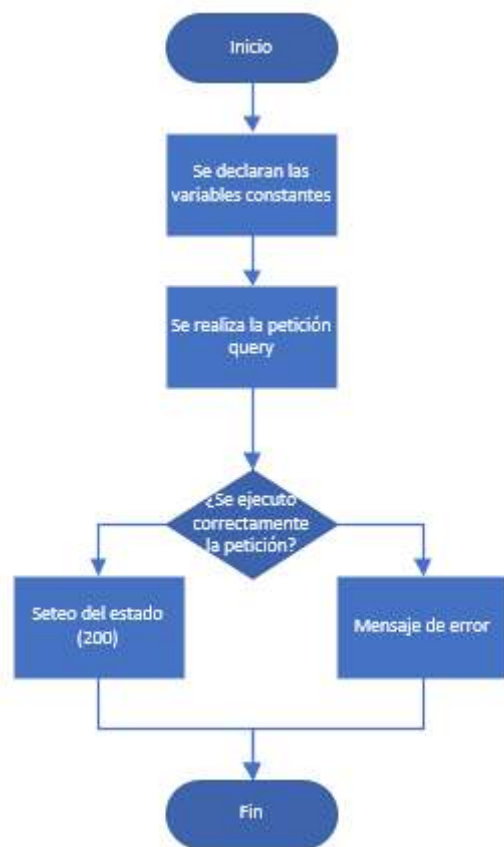
#### Código fuente:

```

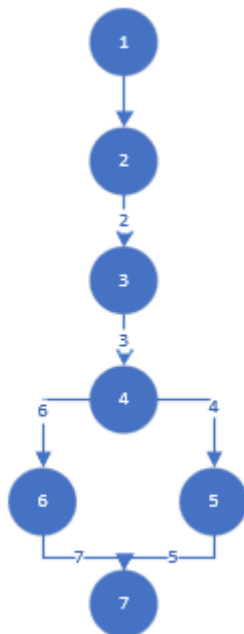
router.put('update/:IdProduct', (req, res) => {
  const { IdProduct } = req.params;
  const { NameProduct, DescriptionProduct, ImageProduct, Price, AmountProduct, Category } = req.body;
  const query = `UPDATE product SET ${FirstName}, ${NameProduct}, ${DescriptionProduct}, ${ImageProduct}, ${Price}, ${AmountProduct}, ${Category} = ?`;
  mysqlConnection.query(query, (err, rows, fields) => {
    if (!err) {
      res.json({ status: 200 });
    } else {
      console.log(err);
    }
  });
});

```

#### Diagrama de flujo:



**Grafo:**



**Rutas:**

**R1:** 1,2,3,4,5,7

**R2:** 1,2,3,4,6,7

**Complejidad ciclomática:**

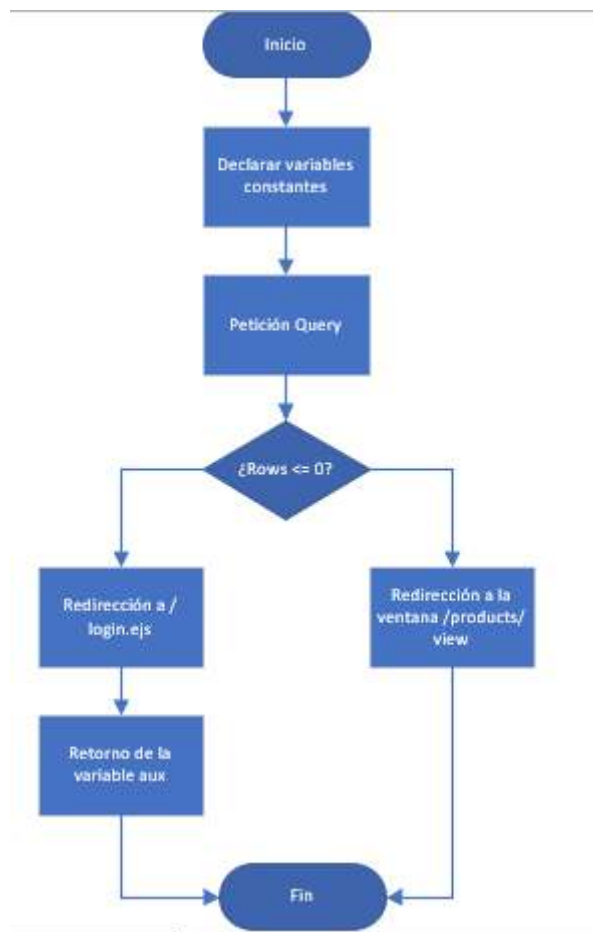
- $V(G) = \text{número de nodos predicados (decisiones)} + 1$
- $V(G) = 1 + 1 = 2$
- $V(G) = A - N + 2$
- $V(G) = 7 - 7 + 2 = 2$

### ***REST post/login***

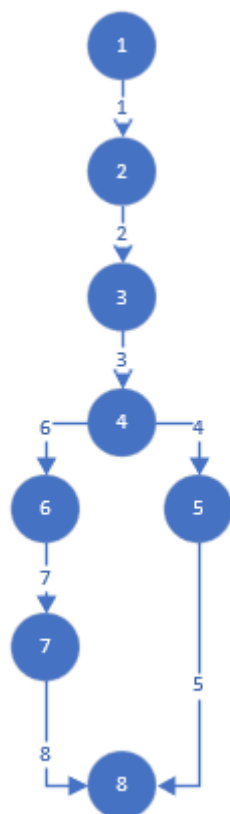
#### **Código fuente:**

```
router.post('/login', (req, res) => {
  const user = req.body.IDUSER;
  const passwd = req.body.PASSWORD;
  const query = `SELECT * FROM user WHERE IDUSER = ? AND PASSWORD = ?`;
  mysqlConnection.query(query, [user, passwd], (err, rows, fields) => {
    // if (err) throw err
    if (rows.length <= 0) {
      var aux = 0;
      res.render('html/Login.ejs', {
        aux
      });
    } else {
      res.redirect('/api/products/view');
    }
  })
});
```

#### **Diagrama de flujo:**



**Grafo:**



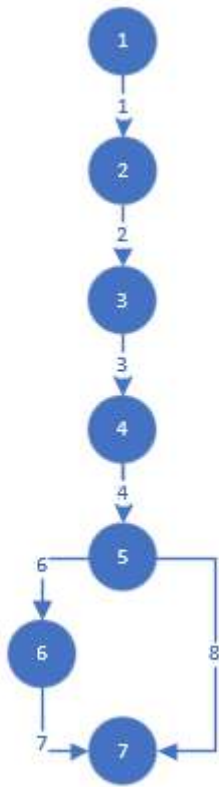
**Rutas:****R1:** 1,2,3,4,5,8**R2:** 1,2,3,4,6,7,8**Complejidad ciclomática:**

- $V(G) = \text{número de nodos predicados (decisiones)} + 1$
- $V(G) = 1 + 1 = 2$
- $V(G) = A - N + 2$
- $V(G) = 8 - 8 + 2 = 2$

**Visualizar Ofertas****Código fuente:**

```
103 <div class="pentagon-text">
104 |   <h1>F</h1>
105 </div>
106 <h3><%= rows[i].NAMEPRODUCT%></h3>
107 <p><%= rows[i].DESCRIPTIONPRODUCT%></p>
108 <p>Precio: <%= rows[i].PRICE%>$</p>
109 <% if (rows[i].OFERTA != null) {%>
110 <p><%= rows[i].OFERTA%></p>
111 <%}%>
112 </div>
```

**Diagrama de flujo:****Grafo:**



**Rutas:**

**R1:** 1,2,3,4,5,6,7,8

**R2:** 1,2,3,4,5,8

**Complejidad ciclomática:**

- $V(G) = \text{número de nodos prediados (decisiones)} + 1$
- $V(G) = 1 + 1 = 2$
- $V(G) = A - N + 2$
- $V(G) = 8 - 7 + 2 = 3$