

# EEZON- An Inventory management system for Electronic Components

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# Agenda



- Project Summary
- Use Cases Implemented
- Use Cases Description
- Interaction with Database

# Project Summary



- A standalone Java application
- This standalone application is accessible by:
  1. Administrator
  2. Professor
  3. Teaching Assistant (TA)
  4. Student

# Project Summary



## ○ The Application is designed to

1. Manage Check IN/ Check OUT details of Course specific components
2. Request for Electronics components
3. View and update Penalties
4. Request for deadline Extensions

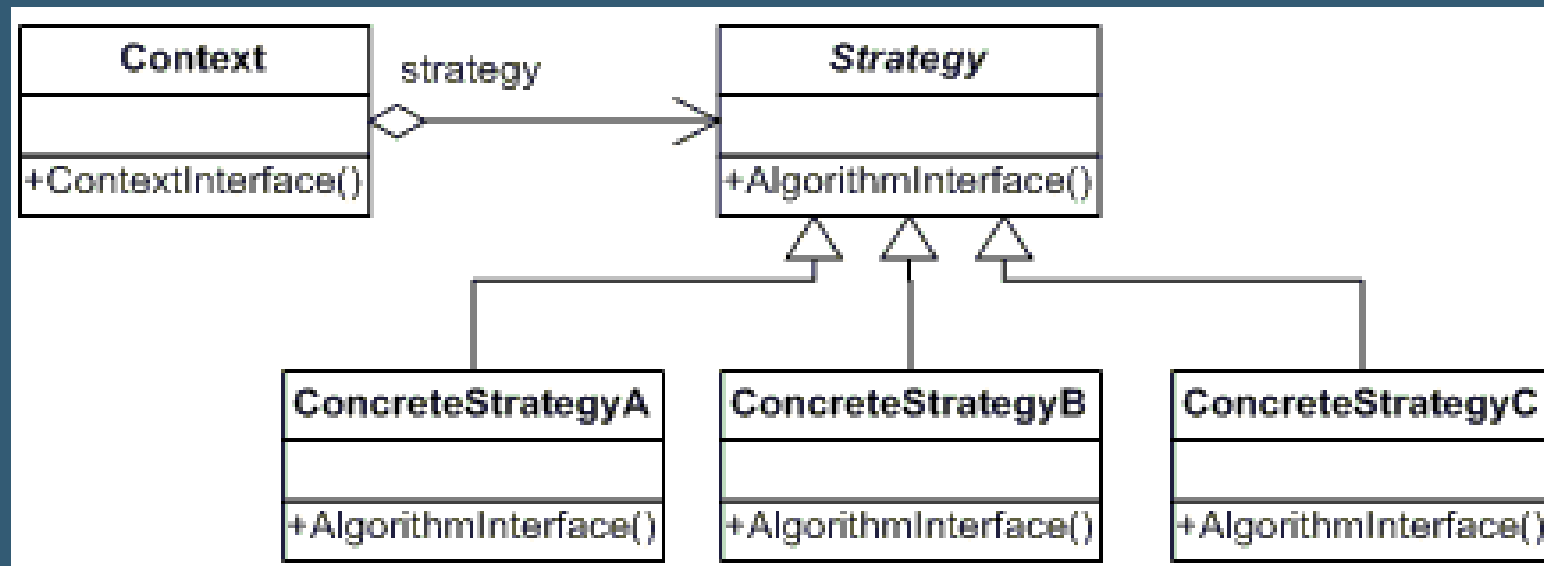
# Use cases Implemented



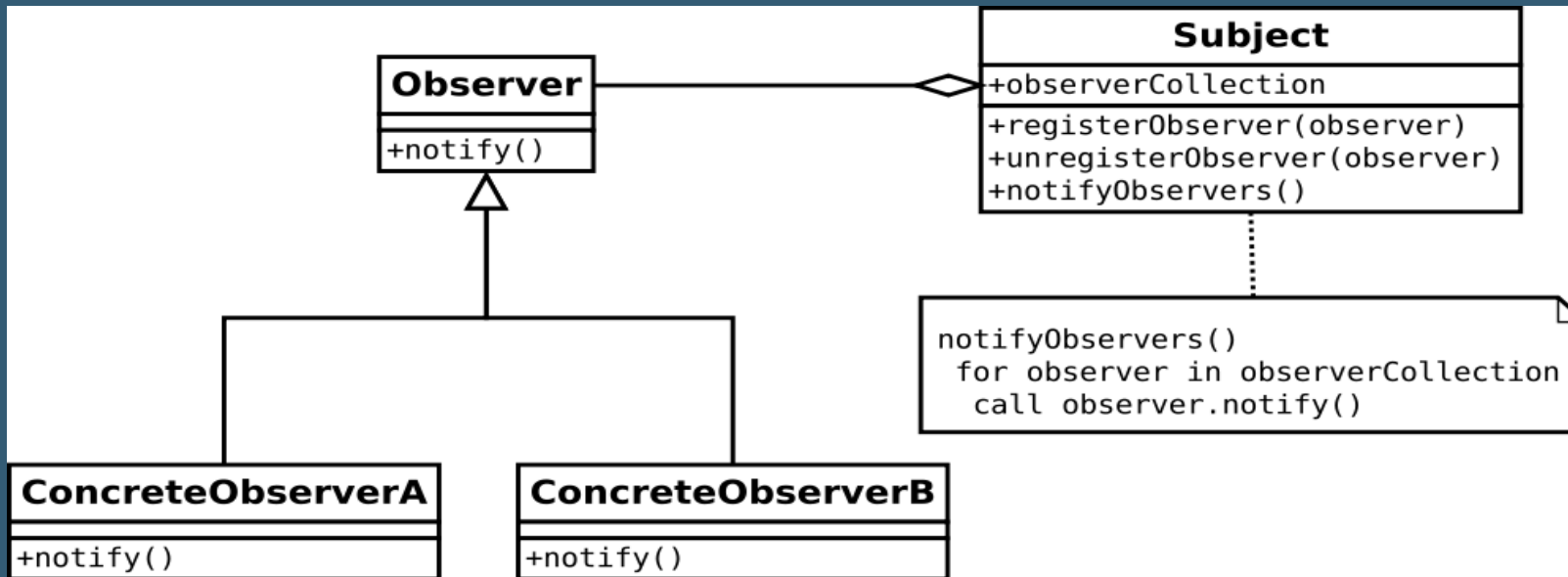
- User can Login into his Profile
- View Course wise details of Electronic Components
- View Check IN/Check OUT details
- Update Check IN/Check OUT details in the System
- View Penalties incurred according to User role
- Override the Penalties Incurred
- Request Unavailable components
- Request for Check IN Extension

# Design Patterns Implemented

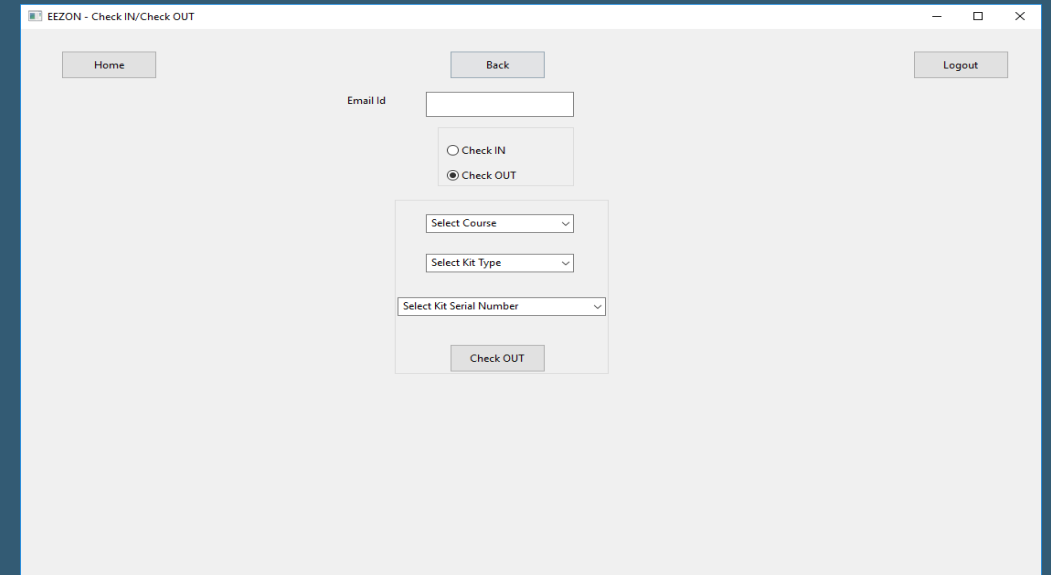
## Strategy Design Pattern



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# Use Case: Check IN/Check OUT



The screenshot displays a web application window titled "EEZON - Check IN/Check OUT". The interface includes a navigation bar with "Home", "Back", and "Logout" buttons. A form for user input is centered, featuring an "Email Id" label and a text input field. Below this, there are two radio buttons: "Check IN" and "Check OUT", with "Check OUT" being the selected option. Further down, there are three dropdown menus labeled "Select Course", "Select Kit Type", and "Select Kit Serial Number". A "Check OUT" button is positioned at the bottom of the form area.





# Use Case: Request Components



# Use Case: View Penalties



# Use Case: Override Penalty



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# Interaction with Database

# Further Development



- Command Design pattern to maintain View Flow
- Automate the Email generations
- Backup the data from Database once a week

