### **Authentication Subsystem**

* + **Boundary Objects:** login\_boundary
  + **Control Objects:** login\_control
  + **Entity Objects:** BrowserEntity
  + **DAO Objects:** TokenConfigDAO

### **Notification Subsystem**

* + **Boundary Objects:** receive\_email\_boundary, project\_help\_boundary
  + **Control Objects:** receive\_email\_control
  + **Entity Objects:** EmailEntity
  + **DAO Objects:** EmailConfigDAO

### **Browser Subsystem**

* + **Boundary Objects:** navigate\_to\_website\_boundary, close\_browser\_boundary
  + **Control Objects:** navigate\_to\_website\_control, close\_browser\_control, project\_help\_control
  + **Entity Objects:** BrowserEntity

### **Monitoring Subsystem**

* + **Boundary Objects:** start\_monitoring\_price\_boundary, stop\_monitoring\_price\_boundary start\_monitoring\_availability\_boundary, stop\_monitoring\_availability\_boundary, get\_price\_boundary, check\_availability\_boundary.
  + **Control Objects:** check\_availability\_control, start\_monitoring\_availability\_control, stop\_monitoring\_availability\_control, get\_price\_control, start\_monitoring\_price\_control, stop\_monitoring\_price\_control
  + **Entity Objects:** AvailabilityEntity, PriceEntity
  + **DAO Objects:** AvailabilityDAO, PriceDAO

### **Data Handling Subsystem**

* + **Entity Objects:** DataExportEntity
  + **DAO Objects:** DataExportDAO

@startuml

skinparam rectangle {

BackgroundColor<<Auth>> LightBlue

BackgroundColor<<Boundary>> DeepSkyBlue

BackgroundColor<<Control>> MediumSeaGreen

BackgroundColor<<Entity>> DarkSeaGreen

BackgroundColor<<DAO>> Tomato

}

package "Authentication Subsystem" as Auth {

[login\_boundary <<Boundary>>]

[login\_control <<Control>>]

[BrowserEntity <<Entity>>]

[TokenConfigDAO <<DAO>>]

}

package "Notification Subsystem" as Notify {

[receive\_email\_boundary <<Boundary>>]

[project\_help\_boundary <<Boundary>>]

[receive\_email\_control <<Control>>]

[EmailEntity <<Entity>>]

[EmailConfigDAO <<DAO>>]

}

package "Browser Subsystem" as Browser {

[navigate\_to\_website\_boundary <<Boundary>>]

[close\_browser\_boundary <<Boundary>>]

[navigate\_to\_website\_control <<Control>>]

[close\_browser\_control <<Control>>]

[project\_help\_control <<Control>>]

[BrowserEntity <<Entity>>]

}

package "Monitoring Subsystem" as Monitoring {

[start\_monitoring\_price\_boundary <<Boundary>>]

[stop\_monitoring\_price\_boundary <<Boundary>>]

[start\_monitoring\_availability\_boundary <<Boundary>>]

[stop\_monitoring\_availability\_boundary <<Boundary>>]

[get\_price\_boundary <<Boundary>>]

[check\_availability\_boundary <<Boundary>>]

[check\_availability\_control <<Control>>]

[start\_monitoring\_availability\_control <<Control>>]

[stop\_monitoring\_availability\_control <<Control>>]

[get\_price\_control <<Control>>]

[start\_monitoring\_price\_control <<Control>>]

[stop\_monitoring\_price\_control <<Control>>]

[AvailabilityEntity <<Entity>>]

[PriceEntity <<Entity>>]

[AvailabilityDAO <<DAO>>]

[PriceDAO <<DAO>>]

}

package "Data Handling Subsystem" as DataHandling {

[DataExportEntity <<Entity>>]

[DataExportDAO <<DAO>>]

}

}

' Connections between subsystems

Auth --down-- Notify : "as Authentication Notifications"

Notify --down-- Browser : "as Notification Responses"

Browser --down-- Monitoring : "as Browser Monitoring Links"

Monitoring ---down--- DataHandling : "as Monitoring Data Flow"

@enduml

