

@startuml

class "Browser Interaction Subsystem" as BrowserInteraction #LightBlue {

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

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

[login\_boundary <<Boundary>>]

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

[login\_control <<Control>>]

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

[BrowserEntity <<Entity>>]

}

class "Availability Monitoring Subsystem" as AvailabilityMonitoring #LightBlue {

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

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

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

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

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

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

[AvailabilityEntity <<Entity>>]

[AvailabilityDAO <<DAO>>]

}

class "Price Monitoring Subsystem" as PriceMonitoring #LightBlue {

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

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

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

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

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

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

[PriceEntity <<Entity>>]

[PriceDAO <<DAO>>]

}

class "Notification Subsystem" as Notification #LightBlue{

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

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

[EmailEntity <<Entity>>]

[EmailConfigDAO <<DAO>>]

}

class "Data Export Subsystem" as DataExport #LightBlue{

[DataExportEntity <<Entity>>]

[DataExportDAO <<DAO>>]

}

' Connections between subsystems

BrowserInteraction --down-- AvailabilityMonitoring : "Browser Input for Availability"

BrowserInteraction --down-- PriceMonitoring : "Browser Input for Prices"

AvailabilityMonitoring --down-- Notification : "Availability Notifications"

PriceMonitoring --down-- Notification : "Price Notifications"

AvailabilityMonitoring --down-- DataExport : "Export Availability Data"

PriceMonitoring --down-- DataExport : "Export Price Data"

@enduml