

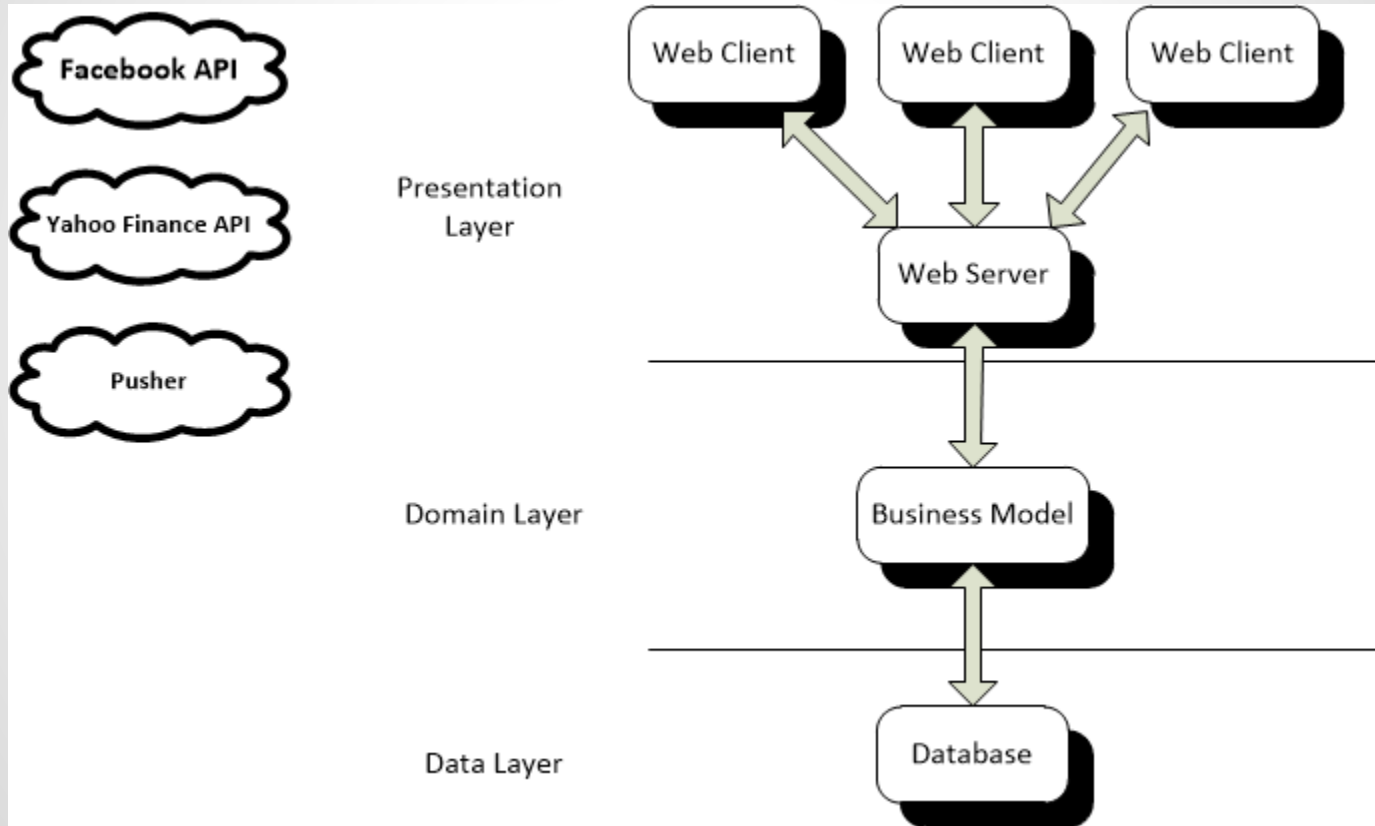
MoneyNovel
By
Supa Hot Iced Tea

Evan, Brandon, Jake, Andrew

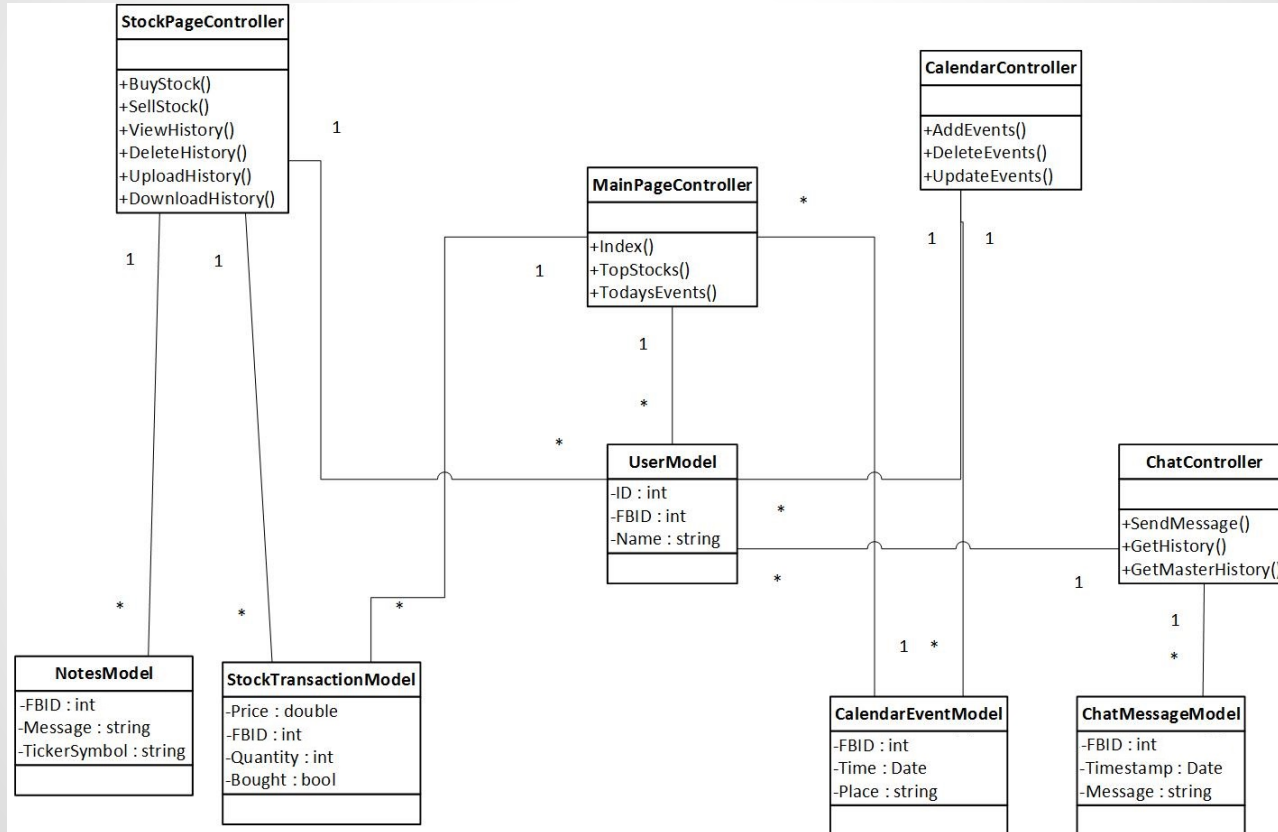
Agenda

- Design
 - Class
 - Database
- Components
 - Facebook (server now)
 - Stocks (buy/sell, comment, history)
 - Chat (Pusher)
 - Calendar (Add/Remove events)
- Testing
- Demo

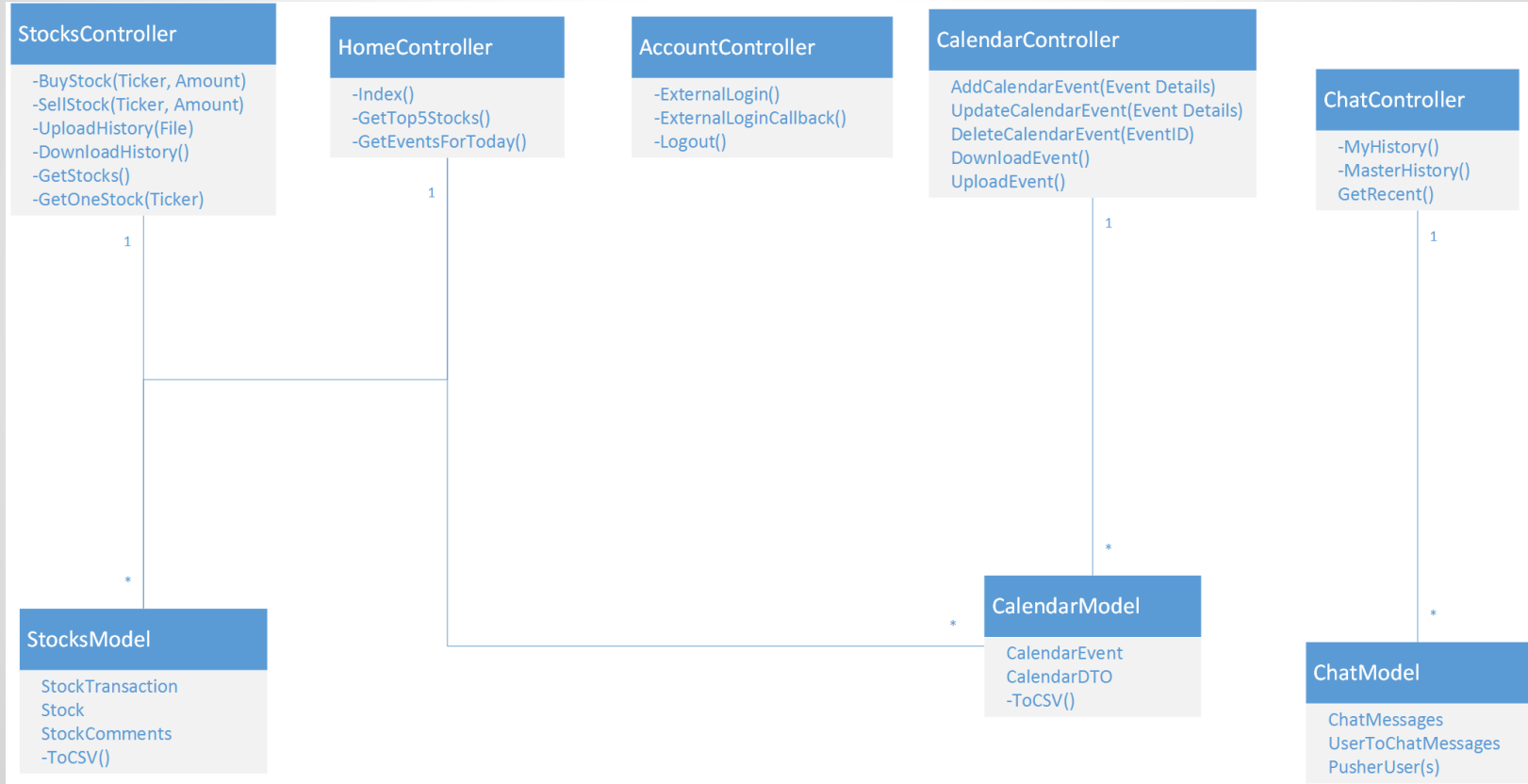
Design : Architectural Model



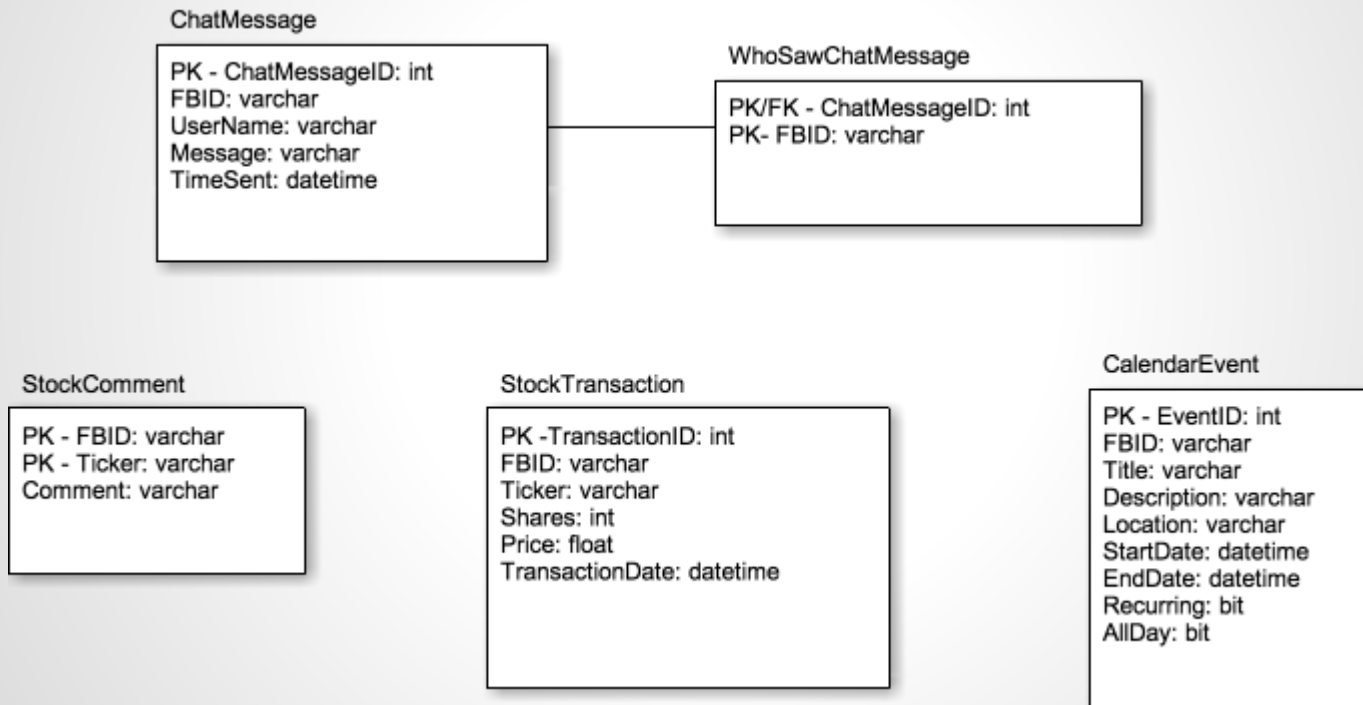
Design : R1 Class Diagram



Design : Current Class Diagram



Database



Facebook : Login/Logout

- Switch from javascript to server side
 - Security issues when using FB JS SDK
- Store FBID as Session variable
- Issues with permissions
 - Last second bug!

Stocks

- New features.....wahooo
 - Buying and selling stocks
 - Commenting on a stock
 - Viewing the transaction history
 - Downloading/uploading/deleting history
 - Done with a csv file
 - Viewing the amount of money you've lost

Total net value: **-\$117.18**

| GOOG, AAPL, etc... | | | | Search | View History |
|--------------------|---------------|--------|------------------|-------------|--------------|
| Ticker | Current Price | Shares | Total Investment | Stock Value | Net Worth |
| MSFT | \$39.06 | 3 | -\$117.18 | \$117.18 | \$0 |
| AAPL | \$594.41 | 0 | \$0 | \$0 | \$0 |
| MRCY | \$12.29 | 0 | \$0 | \$0 | \$0 |

Microsoft Corpora - MSFT



| Ticker | Current Price | High Price | Opening Price |
|--------|----------------|----------------|---------------|
| MSFT | \$39.06 | \$39.35 | \$39.3 |

Amount 0

Buy

Amount 0

Sell

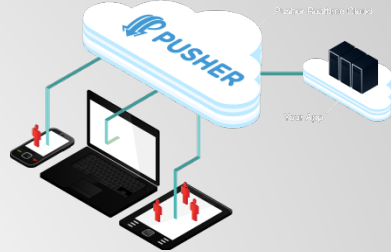
Hi MSFT

Save Comment

Chat



Chat



0. **JS**: Page loaded, user is binded to Pusher
1. **JS**: User sends message
2. **Server**: Retrieves message, stores in DB, sends to Pusher
3. **Pusher**: Retrieves message, sends WebSocket to all connected users

Calendar

- Used FullCalendar

- JQuery plugin
- Popular, good documentation
- Drag/drop events, highly customizable, JQuery theme

```
$(document).ready(function() {  
    // page is now ready, initialize the calendar...  
    $('#calendar').fullCalendar({  
        // put your options and callbacks here  
    })  
});
```

- Ajax to fetch events

- Attach various hooks to controller actions
- events, eventClick, eventResize, etc.

Testing

- Blackbox
- Usability
- Browsershots
- Chrome Client Side
- Code Validator

Demo

Look at our demo

[MoneyNovel](#)

Questions?

Comments?

Concerns?

Threats?

Cookies?