Business rules

1 - The company shall

1.1 – Be identified by the company’s tax id number

1.2 – List its contact information and industry

1.3 – Have a stock symbol on a single market

1.4 – Have a valuation as of the IPO

1.5 – Have a set number of shares at a given time

2 - The stock listing shall

2.1 – Be identified by the tax id of the company listing the stock

2.2 – Have a single type of stock

2.3 – Have the date on which the shares were listed/split

2.4 – Have the number of shares for the type as of the listed date

3 – Each trade shall

3.1 – Be identified by a trade id

3.2 – Have a time stamp

3.3 – Have a share price, number of shares, and type

3.4 – Be of a single company’s stock

3.5 – Update and verify the holdings of the buyer/seller

3.5.a– All participants in a transaction shall be recorded

3.5.b– The role of each participant shall be recorded

4 – Each share type shall

4.1 – Be identified by its name

4.2 – Have a dividend payout status

4.3 – Have voting rights status

5 – The contact information shall

5.1 – Be identified by a tax id number

5.2 – Contain the name, address, phone number, and email

6 - Each holding shall

6.1 – Be identified by the holders tax id number

6.2 – Have contact information

6.3 – Have a number of shares currently held for a single type of share

7 – The stock price and current market capitalization shall be dynamically determined

7.1 – The common stock price will be determined by the most

recently executed trade by dividing the monetary value of the trade by

the number of shares bought/sold

7.2 – The market capitalization shall be calculated by multiplying the current number of shares of each type by their respective share price and adding them together.