Claims:

~~What is claimed is:~~

1. A system for executing a selection from a dynamically-generated electronic database, comprising:

the dynamically-generated electronic database comprising:

a selection parameter determination engine having at least one computer processor configured for:

creating selection parameters according to statistical models for weighting desirability of one or more financial instruments operable by the selection parameter determination engine combined with entered user selection preferences for financial instruments, ~~and~~

~~creating one or more investment portfolios of financial instruments based on the selection parameters in real-time,~~

wherein each of the financial instruments operable by the selection parameter determination engine is electronically associated with a dynamic electronic label indicating whether the financial instrument operable by the selection parameter determination engine is restricted for selection at least in part based upon entered user selection preferences;

a portfolio modeler having at least one computer processor configured for determining a past performance of one or more ~~the investment portfolios of~~ financial instruments during a specified pervious period of time;

a selector engine having at least one computer processor configured for ~~converting~~ receiving the selection parameters ~~to~~ and computing ~~electronic output~~a trade basket of financial instruments from the received selection parameters,

wherein the computation of the trade basket of financial instruments comprises the selector engine using~~s~~ financial valuation data, risk management analysis, and transaction cost minimization to ~~determine the selection parameters to be applied~~optimize a distribution ~~to~~ of the financial instruments in the trade basket of financial instruments that maximizes the value, *V*, of the trade basket of financial instruments with an expected risk of the trade basket of financial instruments that is no more than a maximum risk, *r*, by computing ~~in the investment portfolios:~~;

~~wherein the selection parameters are determined based in part by finding an optimized distribution of the financial instruments in each of the investment portfolios such that a total return value, *V*, of the investment portfolio is maximized while an expected risk of the investment portfolio is within a desired maximum risk, *r*:~~

$$V = \frac{1}{2}x^T Cx,$$

$$\sum_{i=1}^{n} u_i x_i \leq r,$$

$$C = \frac{1}{n-1}\sum_{i=1}^{n}(y_i - m)(y_i - m)^T,$$

$$m = \frac{1}{n}\sum_{i=1}^{n} y_i,$$

where y_i is a return of the financial instrument *i*, u_i is a risk of the financial instrument *i*, *n* is a total number of the financial instruments ~~in the investment portfolio~~, and x_i is a fraction of total investment ~~of the investment portfolio~~ to be invested in the financial instrument *i*;

~~wherein the optimized distribution of the financial instruments in each of the investment portfolios comprises the fraction of total investment of the investment portfolio to be invested in each of the financial instruments in the investment portfolio;~~

wherein the selector engine electronic output is validated against the past performance of the investment portfolios of financial instruments as determined by the portfolio modeler; and

an execution platform having at least one computer processor configured for executing external selections from a real-time updating external electronic exchange database based on the selector engine electronic output ~~of the selector engine~~.

2. The system of claim 1, further comprising an external data electronic filter having at least one computer processor configured for:

providing external data input to the selection parameter determination engine in the creation of the selection parameters; and

eliminating noise from external data through electronic text processing, standardization and electronic pre-computation;

wherein the external data comprises one or more of financial data, analysts' reports, accounting data, news data, corporate data, and trading data.

3. The system of claim 1, wherein the real-time updating external electronic exchange database is a stock exchange~~, and the electronic output of the selector engine represents trade instructions of financial instruments~~.

4. The system of claim 1, wherein the computation of the trade basket of financial instruments further comprises the ~~selection parameters~~selector engine ~~optimizes~~ standardizing the ~~investment portfolios'~~ financial valuation ~~value~~ data according to the equation:

$$Standardized\ Value = Confidence\ Weight\ (\%) * \frac{[Ranking\ of\ value - (Sum\ of\ number\ of\ stocks\ with\ value) * 0.5]}{Sum\ of\ number\ of\ stocks\ with\ value}$$

5. The system of claim 1, wherein the portfolio modeler is further configured for determining past performances of one or more financial instruments by employing artificial intelligence to select and model the financial instruments based on one or more user input factors iteratively from a prior date until a present date; and

wherein the user input factors comprising age, initial capital to be invested, long-term investment goal, short-term investment goal, risk preferences, and opinions on economic issues.

6. The system of claim 1, wherein the execution platform is further configured to:

compare the selector engine electronic output with a current portfolio executed; and

extract and form one or more new trades to be executed.