Figure 3: Entity-Relationship Diagram

users
- **user_id**
- name
- hash
- salt
- dob
- gender
- email
- phone
- balance

portfolios
- **portfolio_id**
- **user_id**
- name
- description
- gain
- created
- deleted

watchlists
- **user_id**
- **code**
- alert_high
- alert_low
- buy_high
- buy_low
- sell_high
- sell_low

portfolio_log
- **datetime**
- **portfolio_id**
- **code**
- number

companies
- **code**
- name
- sector
- industry
- listed
- summary
- address
- phone
- internet
- email
- abn
- directors
- *recommendation*

news_log
- **date**
- **code**
- source
- news
- *score*

emission_log
- **date**
- **code**
- number

performance_log
- **year**
- **code**
- revenue
- expenses
- profit
- assets
- liabilities
- eps
- dividend
- yield
- roe
- der

stock_log
- **date**
- **code**
- open
- high
- low
- close
- adjusted
- volume
- *prediction*
- *sma*
- *ema*
- *rank*
- *market cap*
- *per*