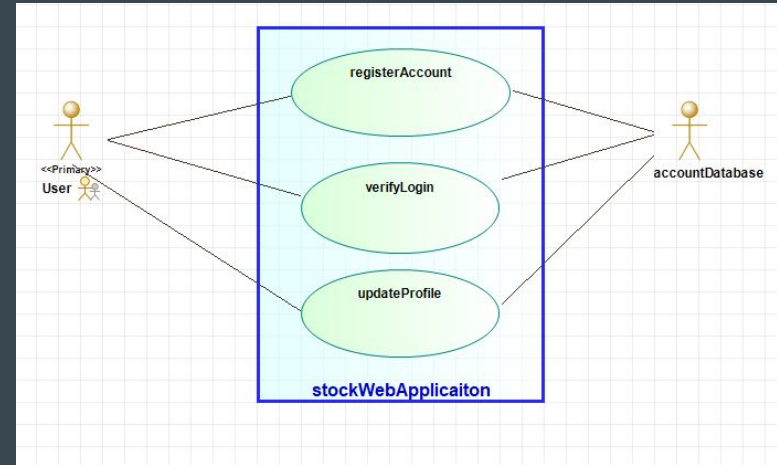# Sprint 2: Stock Market Analytics and Recommendation

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Alex Kocab, Nick Worthley, Harkirat Singh, Kiratdeep Kahlon, Brandon Cruz, Shawn Chapiewski
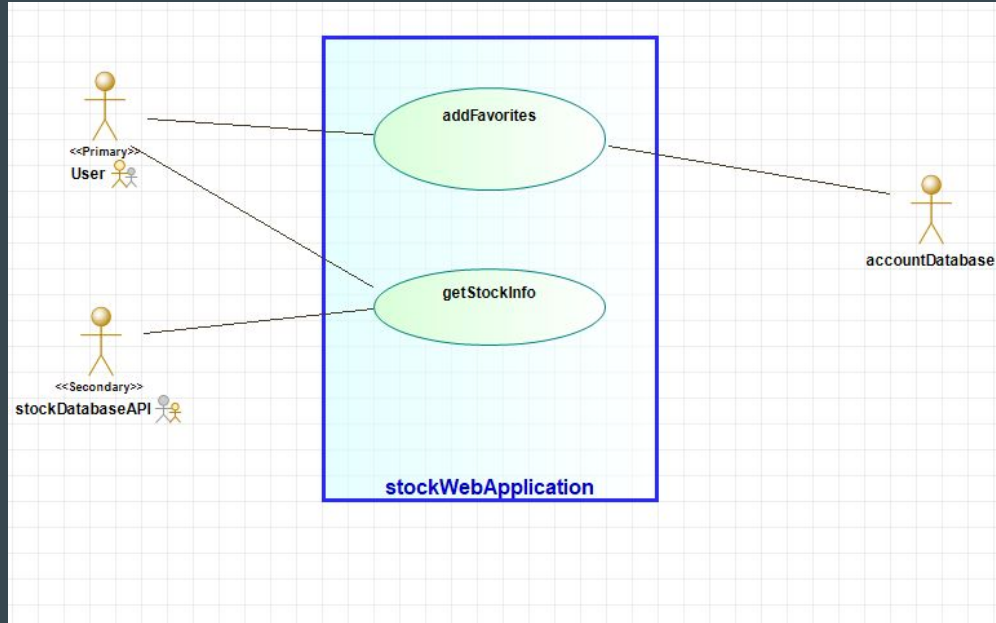
Use Cases

- ## For this sprint:
  - ### Register User Account:
    - **Preconditions**: User is required an email
    - **Success Guarantee (Postconditions):** User can register to our website
    - **Main Success Scenario:**
      - 1. User Connects to our website
      - 2. User opens register tab
      - 3. User enters required information to sign up.
      - 4. User receives confirmation email
      - 5. User clicks on link and activates account
      - 6. User successfully registered.
    - **Extensions:**
      - 1. Page not loaded properly
      - 2. Email/ Password criteria does not meet.
    - **Special Requirements:** Strong password (Uppercase/ Lowercase/ Number/No Common Passwords)

Use Cases Cont.

- Verify Login:
  - **Preconditions**: User requires an activated account
  - **Success Guarantee (Postconditions):** User can login successfully
  - **Main Success Scenario:**
    - 1. User Connects to our website
    - 2. User Enters Login Credentials
    - 3. User Successfully Logged-In
  - **Extensions:**
    - 1. Page not loaded properly
    - 2. Email/ Password is invalid
- Update Profile:
  - Success Guarantee (Postconditions): User can update username, email, or password
  - Main Success Scenario:
    - 1. Users goes to update profile/email/update password
    - 2. User Enters updated username/password
    - 3. User information is updated
  - Extensions:
    - 1. Page not loaded properly
    - 2. Updated username/email/password does not meet requirements

What We Are Working On Next...
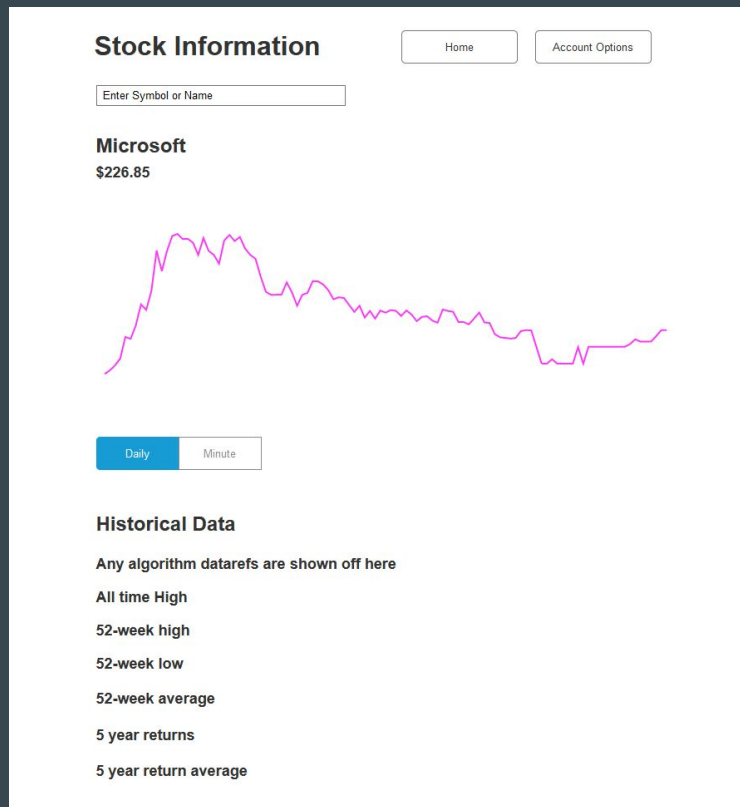
Stock View Page

Consists of stock company + ticker

Ability to search other stocks on page

Stock Price

Chart with switchable daily and minute views

Any historical data needed for user criteria

Project Plan

1/13 - 1/20 (1 Week) Sprint 0 **(Finished)**	1/21 - 1/25 (1 Week) Sprint 1 **(Finished)**	1/26 - 2/8 (2 Weeks) Sprint 2 **(Next)**	2/9 - 2/17 (1 Week) Sprint 3	2/18 - 3/1 (2 Weeks) Sprint 4
- Finalize Project Requirements - Create Initial Project Plan - Decide on tool chain and how development environment will be set up - Discuss the Risks and Challenges for the project - Lay out base foundation for django website	- Create Login Authentication (Django) - Create User Stories - Add Update Profile option - Email Verification - Initial Screen mockups - QA Testing for Authentication	- Set up Stock Tracker API - Integrate market data for all equities on daily basis. - Create New Test cases - Add any additional User Stories - New Test case development	- Design & Make UI user friendly - Build public pages to market the cloud-based market recommendation system. - Complete all user stories - New Test case development	- Provide sector-based recommendation for investment - Provide individual stock recommendation in each sector. - New Test case development

Project Plan Cont.

3/2 - 3/15 (2 Weeks) Sprint 5	3/16 - 3/29 (2 Weeks) Sprint 6	3/30 - 4/5 (1 Week) Sprint 7	4/6 - 4/14 (1 Week) Sprint 8	4/15 - 4/21 (1 Week) Sprint 9
- Provide analytics on historic return for following recommendations of the site. - New Test case development	- Maximize efficiency of recommendations and analyses - New Test case development	Create final unit tests (Selenium)	Deploy code to server	Clean up any remaining bugs Finish any stories that rolled over

Demo