15437/15637 Project Proposal - PriceTracker

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**Proposal Summary:**

Our proposed project is a product price tracer website. User can add products to track price for, and get a notification when the price has been lowered to the desired price. Backend data will be extracted from Google Shopping API and stored locally.

**Key Features/Goals:**

- Users will be able to subscribe to a product category (e.g. Camera) or a specific product (e.g. Panasonic LX5)

- Tracking of the price of a particular product

- Graphs of historic prices of a product

- Recommend products with the largest price drop from a category

- Notifications when there are large price drops

**Optional Features/Stretch Goals:**

- Wishlist function

- Facebook login

- See what’s on your Facebook friend’s tracking list

- Recommend products based on subscription history (machine learning)

**Technologies:**

- Google Shopping API: https://developers.google.com/shopping-search/

- Google Web Toolkit: https://developers.google.com/web-toolkit/

- Google AppEngine: https://developers.google.com/appengine/

- Java, MySQL, AJAX, HTML, CSS, Javascript, etc.

**Why It’s Cool:**

- Shopping websites often say things are on sale, but we should be able to see its historic prices easily

- Great deals happen everywhere, but there is no central place where you can find all the great deals about any product