



SharkPick



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Website: www.sharkpick.com

Play Store: <https://play.google.com/store/apps/details?id=com.sharkpick.android>

Description.

SharkPick is a mobile application, currently available in the Play Store (soon also for iOS), that aims to support traders for short-term investments.

In particular, the application is composed of two main cores: an AI system to analyze huge historical datasets, and a system that allows to gather and process the users' opinions about financial assets.

The first one contains a set of algorithms, mainly based on Machine Learning, that process historical time series related to stocks. As a future extension, we aim to consider also data coming from social like Twitter, and Google Trend.

The second core has been implemented as a game, where users can perform 'virtual trading' sessions on real markets. Notably, the virtual trading is based on a very simple mechanism now briefly described. During a trading session, the system randomly selects a number of stocks from open markets (e.g. at 11:00 am 'Rome time' one can trade with ITALY and UK markets). Then, for each stock, users evaluate if being Bullish or Bearish. This means that a user has to evaluate if a stock is about to increase/decrease its value in the next five minutes. In the first case, users SWIPE UP the stock symbol, while in the second case they do the opposite, i.e. SWIPE DOWN the symbol. If one is not sure about the future trend of a particular stock, can just FOLD (as during a Poker round).

Once the trading session is completed, SharkPick analyzes the market (using Google Finance), so after 5 minutes (default value that can be changed) users receive the result.

Users can vary the main parameters of a trading session: the preferred markets (among USA, ITALY, and UK), the time scale of the prediction (e.g. from 5 minutes to 2 hours), the number of stocks for each session, and can also invite their friends (registered in SharkPick). Inviting friends entail that them receive an invitation to trade with the same set of stocks; thus results achieved by different users can be compared.

Results of trading sessions are summarized in users' portfolio, and allow to give a feedback in the form of a score, a trend and badges.

The minimum score is 100, then one user can increase it according to the quality of each session.

The trend considers the last sessions, while the badges describe the behavior of a user.

A first badge, on the left, indicates if a user is trading more frequently as Bull or as Bear. A second badge, in the center, indicates the experience of the user according to her/his score (from a fish to tiger, etc). Finally a third badge, on the right, represents the current trend of the user.

According to results achieved in the Virtual Trading area, a general ranking shows best 20 users.

As result SharkPick looks like a social application, where users can get recommendations, do virtual trading, and learn about stock markets without risks.

In particular, users can get a profile by using their Facebook or Gmail account, so that their SharkPick profile contains the same name, picture and email used in the social platform (e.g. Facebook).

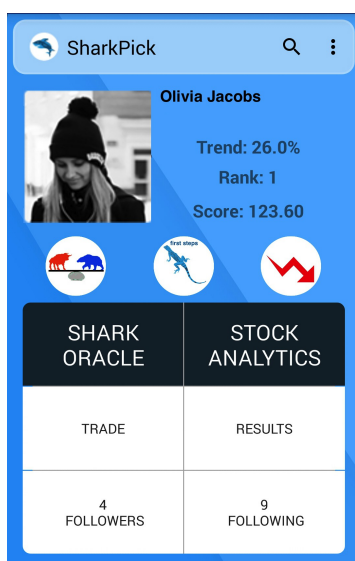
In addition, a stock analytics section allows users to follow, or to get information, about specific assets, and to trade (virtually) with them. Notably, since the virtual trading platform randomly selects stocks for each session, a user might prefer to play only with her/his preferred stocks. So, she/he can do it by adding preferred stocks in the 'stock analytics' area, where can find the button 'PLAY'.

The main function of SharkPick is the Shark Oracle. Here, users get the following recommendations:

- 1) The list of the five most interesting stocks for short-term trading (according to their volatility and other parameters);
- 2) A recommendation (when available), e.g. Opening a Long/Short position;
- 3) A 'Crowd Score', i.e. a parameter related to a 'sentiment analysis' performed considering the virtual trading sessions of all users, during the same day. For instance, if today many users are 'bullish' with GOOG (i.e. Google), and GOOG appears in the list of most interesting stocks for USA, its 'Crowd Score' has a high value.

The recommendations (1) and (2) depend only on our proprietary algorithms. Instead, point (3) strongly depends on the amount of users trading with SharkPick.

Main pages of SharkPick

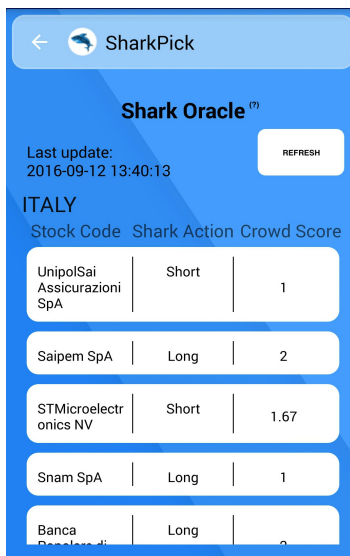


Landing Page.

Users see their picture, name, and badges.

The main functions are: Shark Oracle and Stock Analytics, Trade and Results for the virtual trading platform, Followers and Following for being linked with friends.

Other functions are available on the right side menu (see upper menu in the Android style). For instance, users may change the settings of the virtual trading area, their nickname, read instructions, etc.



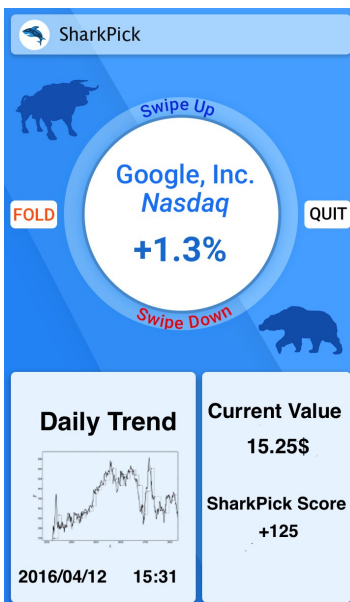
Shark Oracle.

Users find recommendations for ITA, USA, UK markets.

In particular, the five most interesting stocks (per market) are shown:

- First column indicates the stock;
- Second column indicates the recommendation, e.g. Opening a Short Position;
- Third column indicates the crowd score, computed according to the virtual trading area.

Results automatically update every ten minutes. However, the button REFRESH can be used to see if new results are available.



Trading Page.

Users have to take an action (for each stock):

- *Swipe Up* if Bullish
- *Swipe Down* if Bearish
- *Fold* if not sure

Quit to complete the session