

ASSIGNMENT

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GOOGLE MAPS

In 2005, Google has launched Google maps, one of the most popular web based mapping services. Google Map allows users to collaboratively expand and use the service's mapping worldwide.



ADVANTAGES

- Offline use; you can download data in any city or country and use it offline.
- One of the most accurate address mapping applications.
- 360-degree view of streets and places.
- Additional information in famous places and stores, working time reviews and more.
- Real-time traffic condition.
- Voice lane guidance.
- Weather conditions for destination.

DISADVANTAGES

- Timeline; it keeps tracking of the device GPS history, some users prefer privacy.
- The real-time traffic sometimes is overestimated.
- Map downloading requires a lot of hundreds of MB size, so it drains your data usage.

FUTURE

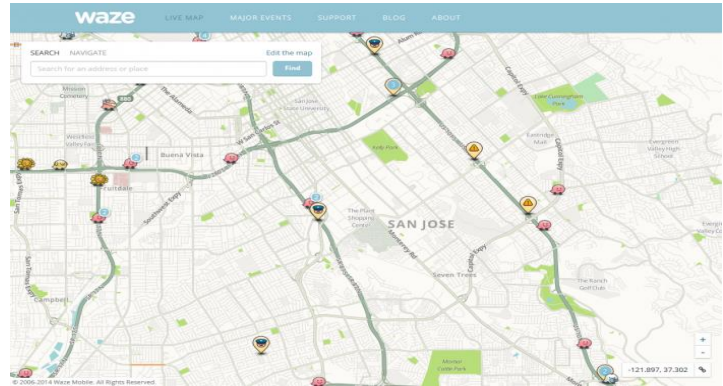
Google map maybe considered mapping app leader, it is for sure one the best mapping services apps, and I can see it will continue its run for a long time.



WASE

Waze (formerly FreeMap Israel) is a GPS navigation software app. It works on smartphones and tablet computers that have GPS support

In 2006, FreeMap Israel was a project founded and developed by Israeli programmer Ehud Shabtai as a community project. It was named as a good alternative for Google maps ,However Google bought Waze in 2013 to add social data to its mapping business.



ADVANTAGES

- Waze can act as a social networking app, you can see other users and you can message them and interact with them.
- Live routing and alert reports from other Waze users.
- Real-time traffic information.
- Update the map once the street condition has changed.
- Supports voice commands.

DISADVANTAGES

- Purchased by Google, so also sharing data with Google is a possibility.
- Data is shared with the app, no privacy.
- Some places does not appear in the map, you have to search for them.
- Advertisements.
- Only shows the nearby search results.

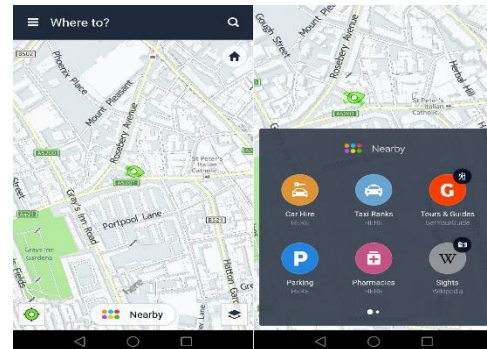
FUTURE

Waze got a good amount of users and also allows you to network with them, it is a very strong feature that will help the app continue.



HERE WE GO

HERE WeGo is the successor of Here, a navigation app founded in Berlin that belonged to Nokia Maps. HERE WeGo has its own map material sourced from Navteq, a geo data provider that merged with the Nokia group in 2011.



ADVANTAGES

- Offline use.
- Over 1300 maps over the world.
- Voice guidance.
- There is an option for large centers and airports for 3D view.
- Shows speed limits.

DISADVANTAGES

- Location sometimes is inaccurate.
- Information about places are out-of-date.
- Does not find all the paths for your destination.

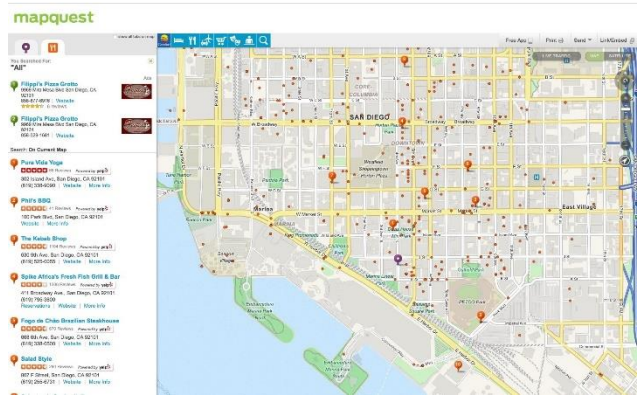
FUTURE

The offline feature is very convenient, but there are many better apps with offline use and more features to use, so it is possible for this app not to perform in the long run race if there are no improvements.



MAPQUEST

It is a free online web mapping service owned by Verizon Media It was launched in 1996 as the first commercial web mapping service.



ADVANTAGES

- Real-time traffic conditions.
- There is an option to book hotels or flights in the website.
- Provide information about the places like, time of work, opening hours, and contact numbers.
- Allows users to give their opinion and rate.
- Provide satellite images.

DISADVANTAGES

- Limited maps, and not available in all countries.

FUTURE

Looking at its features and services makes it so strong that it can be one of the best, but not supporting all countries is hard. I think if it becomes worldwide it will be a good alternative and be used for several years ahead.



COPILOT GPS

Many users of CoPilot GPS use it for normal navigation or who needs it mostly like who have track, caravan because it supports the navigate of it considering the roads that support it.



ADVANTAGES

- Have multiple navigation for vehicle such as Car Navigation, Caravan Navigation, and Truck Navigation.
- Real-time traffic information.
- CoPilot GPS cover 150 countries around the world.
- Safety Camera Warnings update locations of cameras.

DISADVANTAGES

- You have to download the app to use it, not very flexible.
- It is a paid app, and it is very pricey.

FUTURE

Many paid apps have a risk in success; this app is still performing well because of the unique features. If a free alternative shows up it will end the Copilot.



OPENSTREETMAPS

Steve Coast founded OpenStreetMap in 2004, it is a free and editable map of the whole world, first it was initially focusing on mapping the United Kingdom, In 2006, the OpenStreetMap foundation was established to encourage the growth, development and distribution of free geospatial data and provide geospatial data for anybody to use and share.



ADVANTAGES

- Free and open source.
- Stable; they have distributed servers around the world to meet demand of users in a reliable and robust way.
- Customizable; it may be used by third party applications for customization.
- Without restrictions.

DISADVANTAGES

- Lots of memory needed for offline use.
- Incompatibility; Some users have reported OSM erroneous behavior when it is used in conjunction with other tools.
- Depends a lot on donations.

FUTURE

I think it is a very good alternative for Google maps and others, and one of the famous ones, but because it depends a lot on donations, I think it will not last for a long time.



Maps.me is one of the free apps that make use of OpenStreetMap's material. This application was first launched as an iOS app in 2011. Since then, it has evolved significantly with the implementation of its MapsWithMe Pro version for androids, iPhones, and various other devices. The name of this app changed to its current one MapsWithMe in 2014, right after the app started to be supported by Blackberry devices.



Maps.Me
Offline Mobile Maps

ADVANTAGES

- Downloading facility, Maps.me allows its users to download an unlimited number of maps as per their requirement.
- Obtains data from community-based OpenStreetMap and allows you to edit on it.
- It includes categories; If you select the category "Food" for example, along with what kind of cuisine you're looking for, the app will bring up relevant results in your area.
- The users of this app can also book hotels from the Booking.com website.

DISADVANTAGES

- Very slow search and route calculation
- Being based on OpenStreetMap data can be lacking.
- Requires lots of storage space.

FUTURE

Regardless of the size of maps, the amount of advantages and strengths it has, I think it will improve in the future and be on the top list of mapping apps.



APPLE MAPS

“Apple Maps (or simply Maps) is a web mapping service developed by Apple Inc. In 2012, Apple released its mapping service in iOS, replacing Google Maps as the default mapping service for Apple operating systems. In the initial launch, it received large amounts of criticism from users that leads to CEO Tim Cook apologizing and promising to improve the service.

In the first year after its release, Apple Maps received a number of improvements which solved various errors in the application. Other changes included adding more satellite imagery and making the navigation available in more cities. In 2013, Apple also acquired a few companies to improve Apple Maps.

2015, Craig Federighi, Apple's senior vice president of Software Engineering, announced that the new version of Apple Maps in iOS 9 would have information about public transportation in a number of global cities.

In 2016, Apple Maps opened a new development center and it was updated for watchOS and iOS.

In early 2018, Apple announced Maps can help users find bike-sharing stations in over 175 cities across 36 countries”.



ADVANTAGES

- Flyover and 3D maps.
- Indoor maps of select locations: The iOS 11 Apple Maps update included indoor maps of select malls and airports around the world.
- Color-coded highlighted locations.
- Apple Maps Connect.
- **Yelp Integration** Instead of having to build a database of company reviews, Apple Maps has Yelp integration to populate data.

DISADVANTAGES

- Apple Maps will display slowdowns in traffic, but the app focuses so much on the user's current location that it makes seeing future problems difficult.
- No speed limits signs.
- Apple Maps can be less intuitive regarding any construction-related road blocks, and not rerouting to an alternate path.
- Does not allow the user to download maps for offline use

FUTURE

Apple maps for sure will continue, because it comes with the iPhones and regarding to the amount of users that buy them and the big company that owes it. I think there will be huge improvements in this app.



BING MAPS

It is a Web mapping service Virtual globe created by Microsoft's Bing (Bing Maps for Enterprise framework), Bing Map is a complete of previous technologies for Microsoft such as Microsoft MapPoint and TerraServer the old version has many of its distinguishing features.

Bing Maps launched by Microsoft Company in 2005 - as Live Search Maps.

Bing Maps have many features and functionalities to serve our needs, these services should facilitate the process of searching and direction.



ADVANTAGES

- A 'Along the route' tool allows the user to upload data about places and will be seen by drivers passing.
- Street side provides a 3D view.
- Sharing and embedding maps.
- Traffic information and ClearFlow.
- View aerial imagery by using low flying.

DISADVANTAGES

- Data for working hours and conditions are not available.
- Does not support mobile devices.

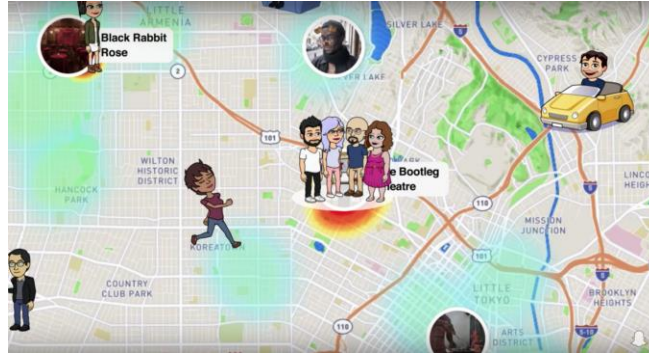
FUTURE

Microsoft decided to use Google Maps on Bing for Android instead of Bing Maps and I think the end of this app is very soon.



SNAPCHAT MAP

Snapchat release snapchat map in 2017. snapchat is broadcasting the user's location on a map with a privacy in concern; take a permission of the user if he would like to show his location. It does not explain the ramifications of doing so.



ADVANTAGES

- Privacy, you can disable sharing your location.
- You can see the location of your friends using the feature.
- You can see the location of big events all over the world.

DISADVANTAGES

- No offline use
- There is no direction for your destination.
- You cannot see facilities like restaurants, schools, gas stations...etc.

FUTURE

I think there exists many better apps for location and mapping services, but Snapchat maps serves social networking purposes and will be running as long as the Snapchat app continues.