

Comparison of Project Management Tools

YouTrack (JetBrains) vs Github Projects (Github.com)

1. Github Projects

Github Project Board is a free tool to manage work. May reflect status of the work in a Trello style – cards put in columns: to do, in progress, done.

2. YouTrack

A project management tool that can be adapted to almost any processes. You can track tasks and bugs, plan sprints and releases, create workflows, and customize YouTrack. Unlike other issue trackers, YouTrack can be customized to specific needs.

• Cost:

Youtrack	Github Projects
1. Easy to choose Pricing model (Monthly payments, on-time payments, annual subscriptions, quote-based subscription)	1. Only monthly payments
2. Free for up to 10 users	2. Free only for personal use and for teams with student subscription.
3. More people in project you have - cheaper the subscription (starting from 5\$ per month per user for small teams and down to 2\$ per month per user for 500+ developers teams)	3. Business plan is 21\$ per month each user and 9\$ per month each user for small teams.

• Privacy:

Youtrack	Github Projects
Both tools are oriented on industrial projects and business projects. So they both apply privacy policy and promise to store information about your projects secure with no chance to access it unauthorized.	

• Relevancy to Project:

YouTrack	Github Projects
As we are a small team, we can claim YouTrack for free, but at the same time it might be too much for such a small project to use.	As we use github as core version control it will be practically easier to use this tool as it is integrated to github and free for students.

- **Time to learn / Usage:**

YouTrack	Github Projects
Is a complex tool, everyone in the team needs to spend some time studying how to work in it.	Intuitively in usage, 10-minute tutorial is enough to fully understand how it works.

- **Real Time Collaboration**

YouTrack	Github Projects
Both tools provide an ability to cooperate with others in real time, see other's suggestions, actions and project's workflow.	

- **Integration with other tools / Useful functions:**

YouTrack	Github Projects
As it is JetBrains tool, it is easily integrated to any of their IDEs and toolbox. Also YouTrack provide an ability to import data from other PM tools like JIRA. Also provide integration with git. Provide Standalone version for server usage.	Can be integrated to github's text editor Atom. Slack integration is available, also it can be integrated with some application performance monitoring tools.

Comparison of Mind Map Tools

Draw.io vs Text2MindMap

draw.io is free online diagram software for making flowcharts, process diagrams, org charts, UML, ER and network diagrams. A similar tool available online was Text2MindMap that let users create mind-maps by writing indented lists. The original Text2MindMap tool went down a few months ago, but a clone web app of the same name has been developed by a Danish developer Tobias Lofgren which will be used for comparison in this report.

COST

draw.io online is a free-to-license web application for everyone. It is completely free to use for any purpose, there is no premium pay-for functionality, watermarking, or other limitations. You only pay if you use confluence or Jira and the prices are low.

Text2MindMap is a completely free tool; it neither requires initial installation charges, nor are there any subscription fees. In fact, it is just available to all as an online web application.

PRIVACY

With draw.io, you own the content you produce and may use it for any purpose, including commercially. It doesn't sell or own your data. You own your data and the application is open source.

Text2MindMap does not require its users to oblige by any privacy policy either; the users are free to use the service as they see fit for their projects.

RELEVANCY TO PROJECT

Draw.io is a very practical tool. You could easily draw flowchart, architecture diagrams including UML. It works well with Google Drive. We can use it to make ER and use case diagrams for our project.

A tool like Text2MindMap fits well with projects of any type and scale. It can be used in

various stages of development and analysis. However, draw.io offers better and more functionalities that are suited for even large-scale projects.

TIME TO LEARN / USAGE

Draw.io is a great tool, being easy to use, convenient and light weight makes it much more desirable. The interface is user friendly. So, we don't need to spent time on learning. The time spent on the usage depends on the use and the project. E.g., some architecture diagrams take more time than a simple flow chart.

Text2MindMap is incredibly simple, with a very straight learning curve. The user has to only format text appropriately and the relevant piece of information are converted into nodes and links rendering visually effective graphics.

REAL TIME COLLABORATION

Draw.io doesn't really support real time collaboration b/w users but after saving the projects users can share them with their fellows for suggestions and improvement.

There's no real time collaboration available in Text2MindMap either. The users can however save the project file and reuse it later to make changes.

CONS

In draw.io, there are some minor cons, e.g. adding additional pictures make the file so heavier that sometimes it takes a minute to load a file, not possible to create UI mockups.

Text2MindMap also comes with some cons. It is very limited in its functionality. The only feature it offers is to convert the given text into visually intuitive nodes and connections. This may be useful in some trivial parts of the projects but will not necessarily contribute enough to any normal projects.