

Technical documentation of your project at DI workshop

Why should you document?

1. Showcasing your work to others
2. Being able to collaborate post the workshop

1. Showcase your work online.

There are 2 aspects to showcasing your work online

1. Effectively giving people a quick idea of what you worked on. What is the project about?
2. What is your contribution? What did you do?

The first point can be addressed with a short video, couple of pictures and a short write-up. The next important thing is to show potential mentors/others that “this” is what you specifically contributed to the project.

This time we are enabling you to do technical documentation of your project. This way you will be able to showcase your contribution to the project. “What part of the project did you work on?”

This will help you if you are

- a. applying for masters – shows how good you are
- b. applying for a job – shows how good you are
- c. trying to find a team mate for your new project – shows how good you are

2. Being able to collaborate after the workshop

Some of you might be super excited about the project that you did at the workshop and would probably be interested in continuing it post the workshop.

In order to do that you will need a technical documentation and a place where you can share your files, notes (insights), images and possibly discuss new stuff.

This document will give you a walk though on how to document your project.

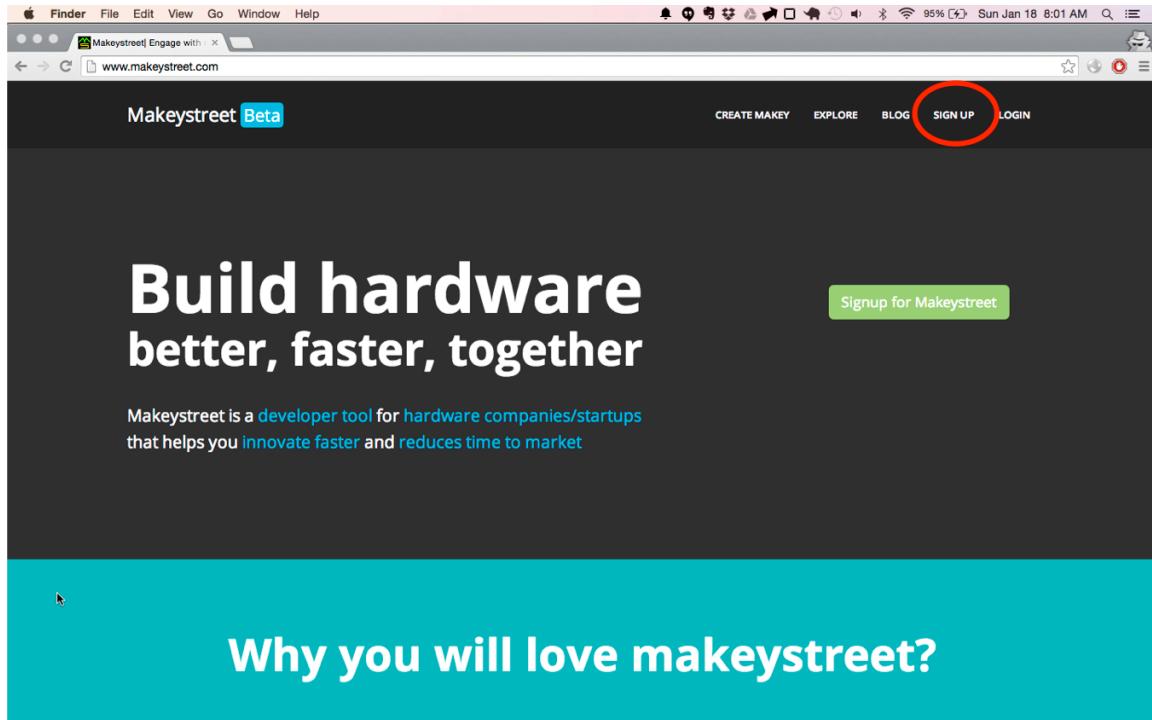
How to document your project

1. Signup on Makeystreet

1.1

Go to <http://www.makeystreet.com>.

1.2



Click on signup.

1.3 Signup using Email

The screenshot shows the MakeyStreet Signup page. On the left, there is a red box highlighting the sign-up form fields: First Name, Last Name, Username, Email, Password, and Verify Password. Below these fields is a green button labeled '+ Register Account' with a red oval around it. On the right, there is a section titled 'Or Login with your Social Accounts' featuring 'Sign in with Facebook' (blue), 'Sign in with Google' (red), and 'Sign in with Twitter' (cyan) buttons.

Fill up your details and click on "Register Account"

Note: you can alternatively signup using Twitter, Google or Facebook.

1.4 Verify Email id

The screenshot shows the MakeyStreet Confirm Email page. At the top, there is a message box stating 'Confirmation e-mail sent to makeystreet@gmail.com.' Below this, the heading 'Verify Your E-mail Address' is displayed. A note below it says 'We have sent an e-mail to you for verification. Follow the link provided to finalize the signup process. Please contact us if you do not receive it within a few minutes.' A small note at the bottom says 'Please contact us at alex@makeystreet.com if you have any trouble.'

If the username and email id are unique you will get above page. If you are not getting this page, most likely the username that you typed is already taken. Please choose another username.

1.5 Confirmation email

The screenshot shows an email inbox with one message from "Alex J V" at "alex@makeystreet.com". The subject is "[Makeystreet] Confirm E-mail Address". The message body contains a confirmation link: "To confirm this is correct, go to <http://www.makeystreet.com/accounts/confirm-email/cbd436f6e3a6a12d418ad0daf01adb121e344207162cad28dc71c2ae77f4537b/>".

You should receive a confirmation mail similar to the above. Click on that link.

1.6

The screenshot shows a web browser window with the URL "www.makeystreet.com/accounts/confirm-email/cbd436f6e3a6a12d418ad0daf01adb121e344207162cad28dc71c2ae77f4537b/". The page title is "Confirm E-mail Address". It displays a message: "Please confirm that makeystreet0@gmail.com is an e-mail address for user superman." Below the message is a blue "Confirm" button, which is circled in red. At the bottom of the page, there is a note: "Please contact us at alex@makeystreet.com if you have any trouble."

On the page that loads, please click on confirm to confirm your email address.

You have successfully signed up.

2. Create a Project(Makey)

Note: This step needs to be done only by one member of the team.

2.1

The screenshot shows the Makeystreet Beta homepage. At the top, there is a navigation bar with links for Chrome, File, Edit, View, History, Bookmarks, Window, Help, and a user profile for SUPERMAN. Below the navigation bar, the main header reads "Makeystreet Beta". A red circle highlights the "CREATE MAKEY" button. To the right of the button are links for EXPLORE and BLOG, and a user profile icon for SUPERMAN. The main content area features a large white text "Build hardware better, faster, together" on a dark background. Below this, a green button says "Signup for Makeystreet". Underneath the main heading, there is a subtext: "Makeystreet is a developer tool for hardware companies/startups that helps you innovate faster and reduces time to market". At the bottom of the page, a teal-colored section contains the text "Why you will love makeystreet?".

Click on “Create Makey”

2.2

The screenshot shows the "Create new makey" form page. The browser's address bar indicates the URL is www.makeystreet.com/makey/create/. The page title is "Create a Makey". The form fields include: "Name" (a required field with placeholder "Name of the Makey.."), "Description" (a required field with placeholder "Briefly describe the Makey.."), "Current Status" (a dropdown menu set to "Work In Progress"), "Privacy" (radio buttons for "Public" and "Private", with "Public" selected), and a "Submit" button at the bottom. A red circle highlights the "Submit" button. The rest of the page is a plain white space.

Enter the details mentioned on the page

Name: Name of your project

Description: Write a short description on your project. Keep it short. (<200 characters)

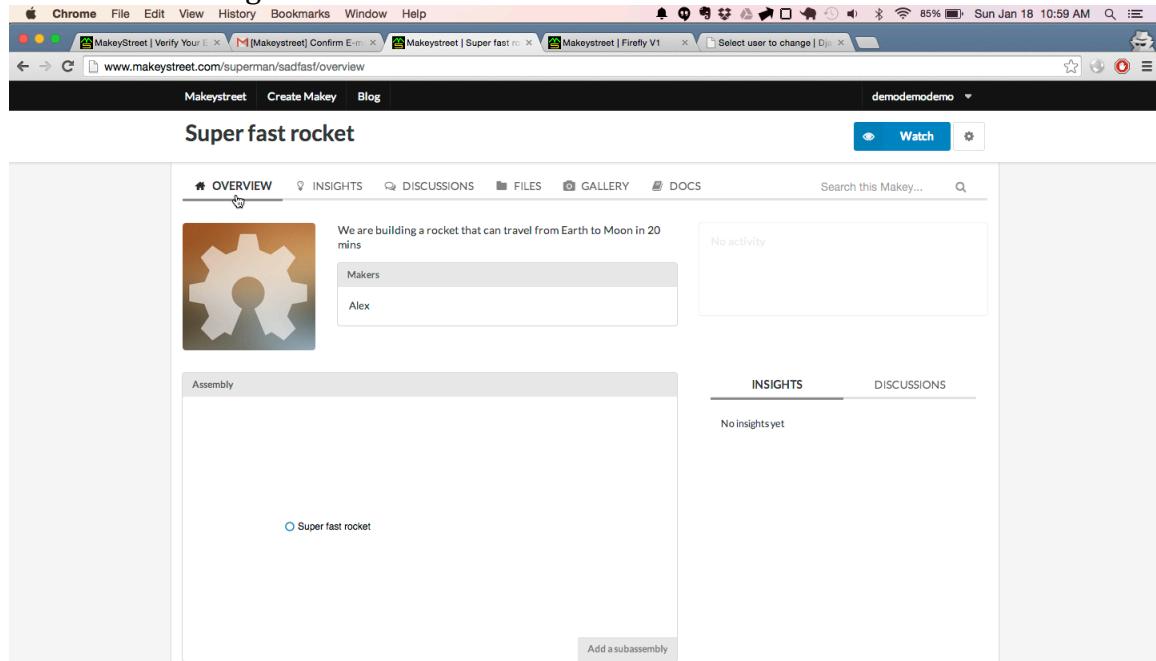
Current status: Status can be “idea”, “work in progress” or “completed”. In this case choose work in progress.

Privacy: Choose public.

Click on “submit”

2.3 – Your project page

You are now on your project page. Share this link with your teammates. You can start collaborating now.



The project that you just created will look like the image above.

2.4 – About your project page

Here is an example of a live active project -

<http://www.makeystreet.com/alex/firefly-v1/overview>

Description of your project

Shows all subassemblies in the project

Shows all updates/activities in your project

Once you start populating your project page it will look like this. This is your overview page. The overview page gives a quick idea on what is happening in your project

2.5 – Adding your team mates on the project

Ask your team mates to follow step 1 to signup on www.makeystreet.com. Once they have done that please send a mail to numaan@makeystreet.com or alex@makeystreet.com with the following details

1. Your project link
2. Track name
3. Team mate details
 - a. Name
 - b. Registered email address
 - c. Registered username

This will help us add your project to the MIT India initiative website and also add all team members to the project.

3 Adding insights

Insights are key details that you want to remember or share with your team mates that are crucial to your design process. It could be

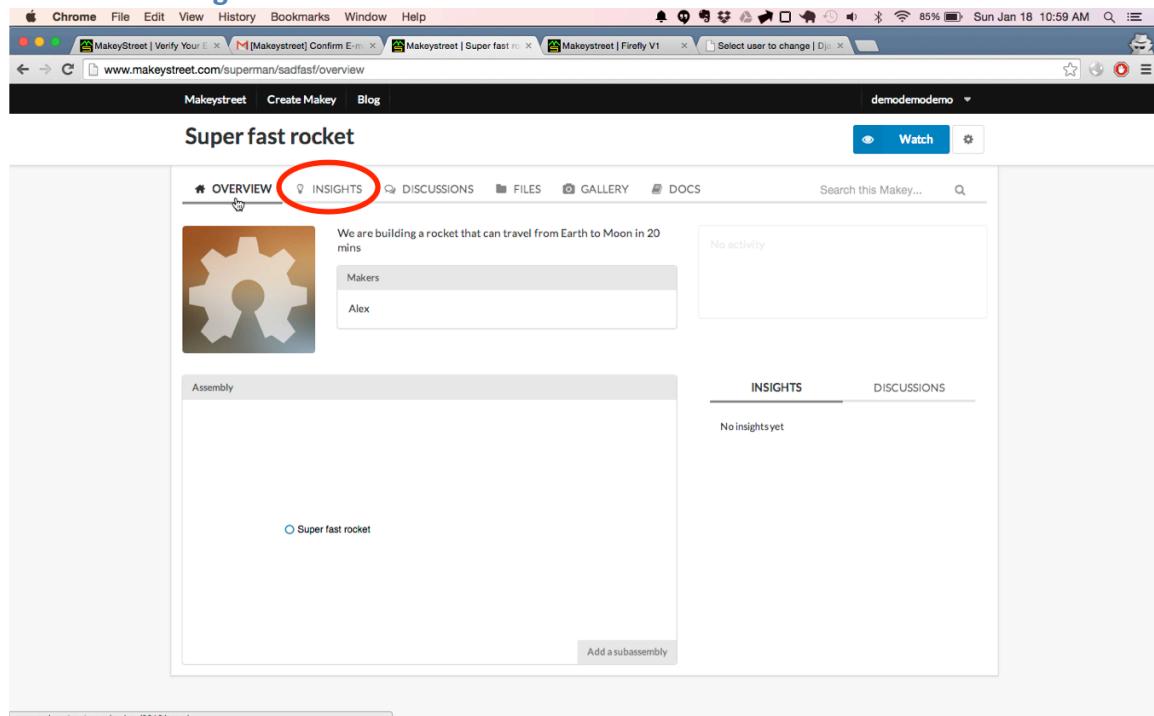
- Design choices
 - o Why did you make the 3mm chamfer?

- Why is the seat post 16cm instead of 25 cm?
 - Why is there a resistor in the circuit?
- Testing data
- Failure reports
- How you solved a bug
- Customer feedback

Insights help others understand **your contribution to the project**.

To get an idea of what kind of insights are useful to be mapped check insights on this project page - <http://www.makeystreet.com/alex/firefly-v1/insights>

3.1 Click on insights tab



Click on “insights” tab

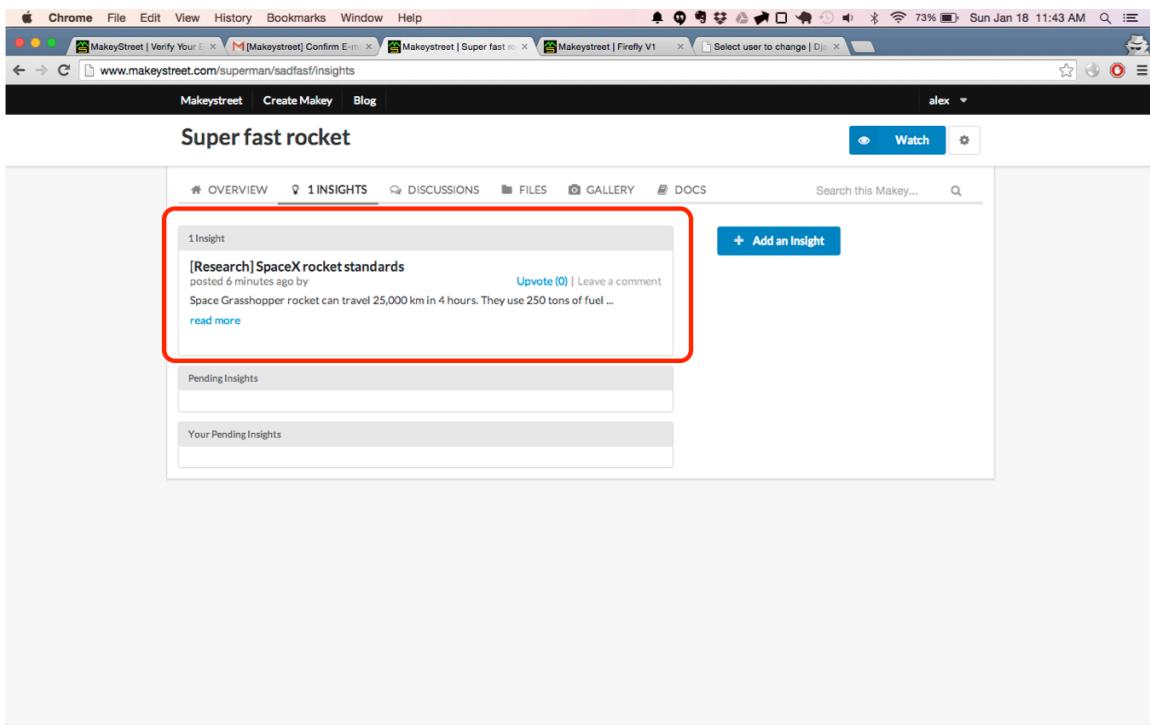
3.2 Create insight

A screenshot of a web browser showing the Makeystreet platform. The URL is www.makeystreet.com/superman/sadfasf/insights. The page title is "Super fast rocket". The navigation bar includes "OVERVIEW", "INSIGHTS" (which is selected), "DISCUSSIONS", "FILES", "GALLERY", and "DOCS". A search bar at the top right says "Search this Makey...". Below the navigation, it says "No Insights yet". To the right of this text is a blue button with white text that reads "+ Add an Insight", which is circled in red.

Click on “Add an Insight”

A screenshot of a web browser showing the "Add an Insight" modal dialog. The background is dark, and the modal has a light gray background. It contains fields for "Title" and "Description". The "Title" field has "[Research] SpaceX rocket standards" entered. The "Description" field has the text "Space Grasshopper rocket can travel 25,000 km in 4 hours. They use 250 tons of fuel to get there." At the bottom of the modal are two buttons: "Cancel" and a green "Add" button with a white "+" icon, which is circled in red.

Write a quick title for the insight and the entire body of the insight. Click on Add when you are done.



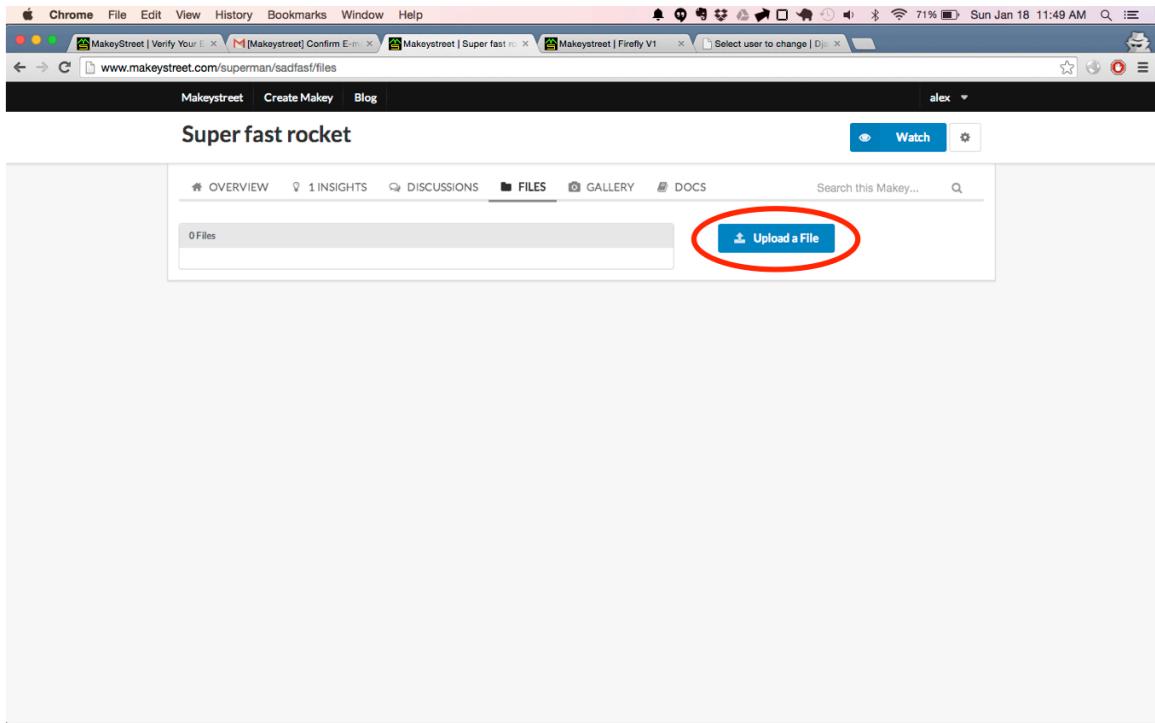
When your insight is successfully added it will show up on the left section.

4 Adding a file

4.1 Navigate to Files Tab

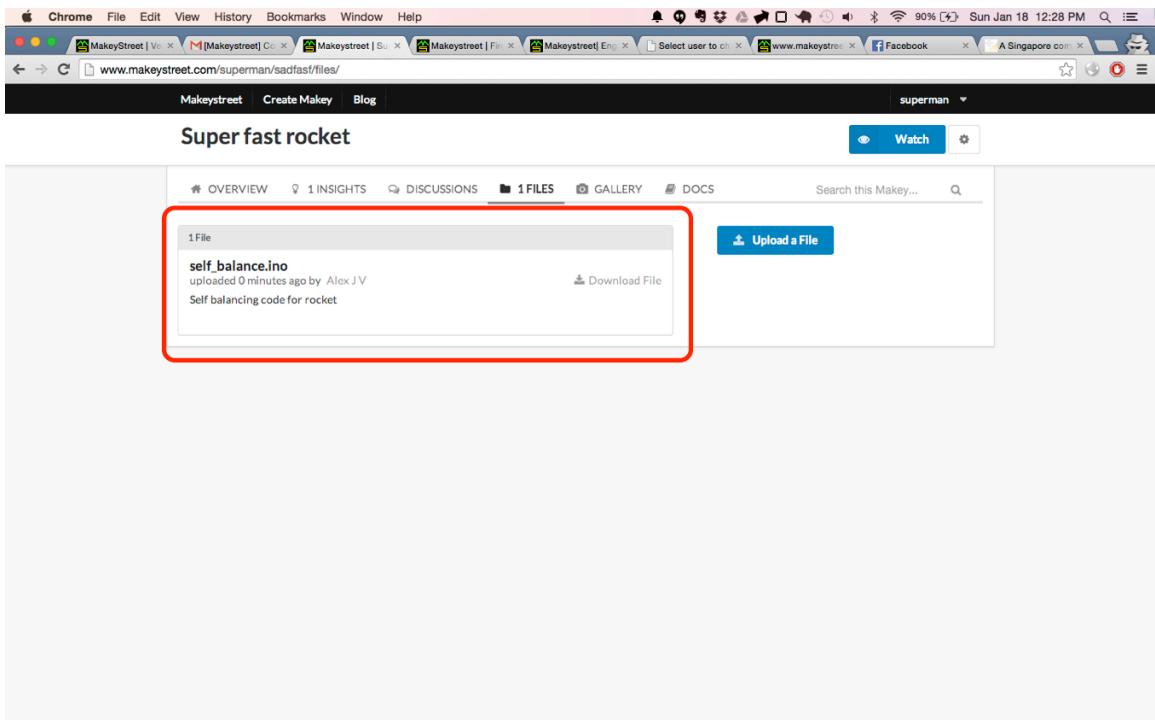
Click on “Files” Tab

4.2



Click on "Upload a File"

4.3



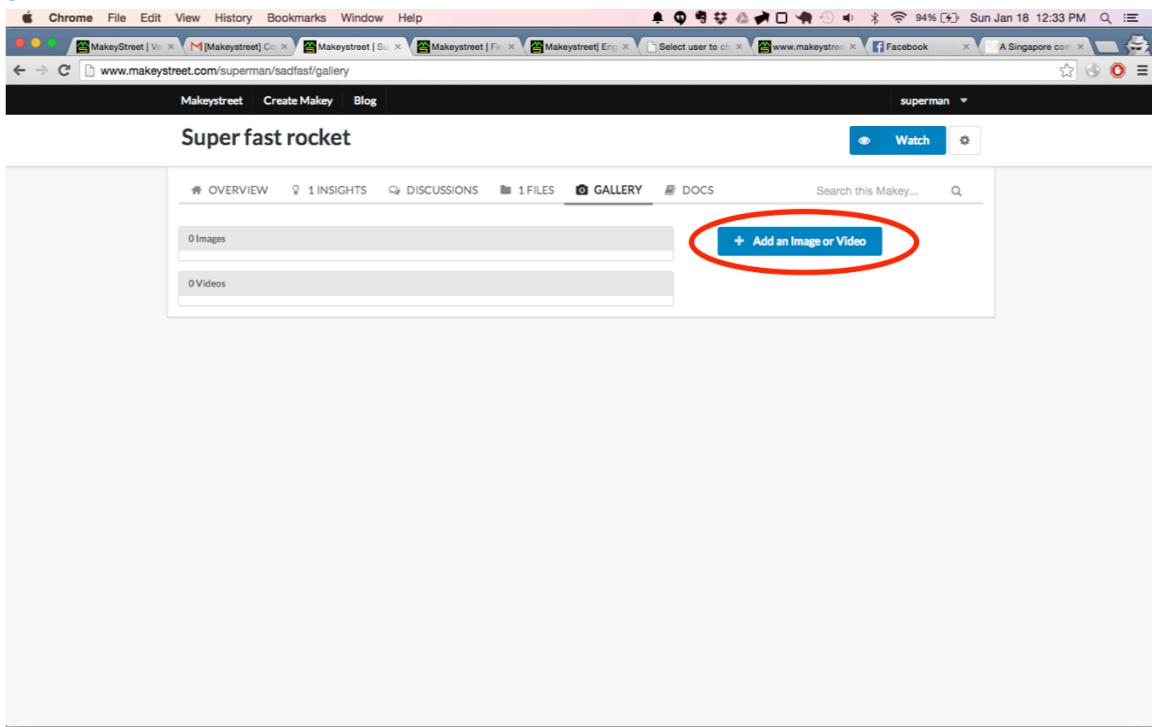
If the file upload was successful, it will show up on the left side.

5 Adding an image

5.1

Click on “Gallery” Tab

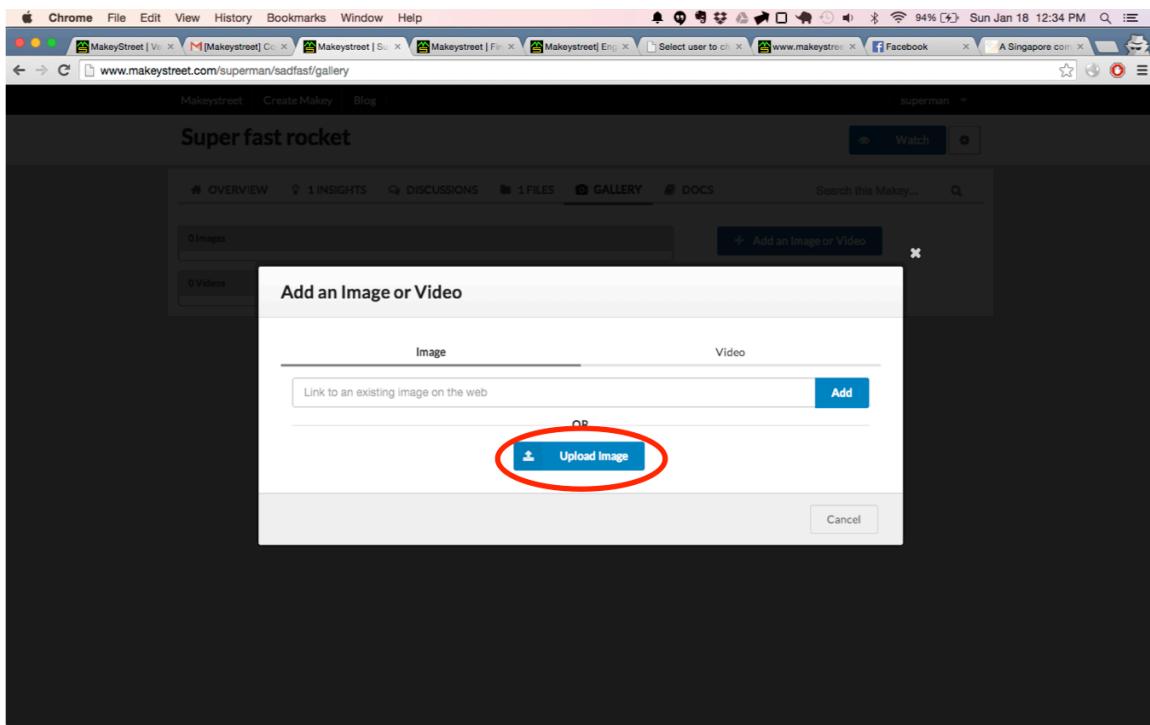
5.2



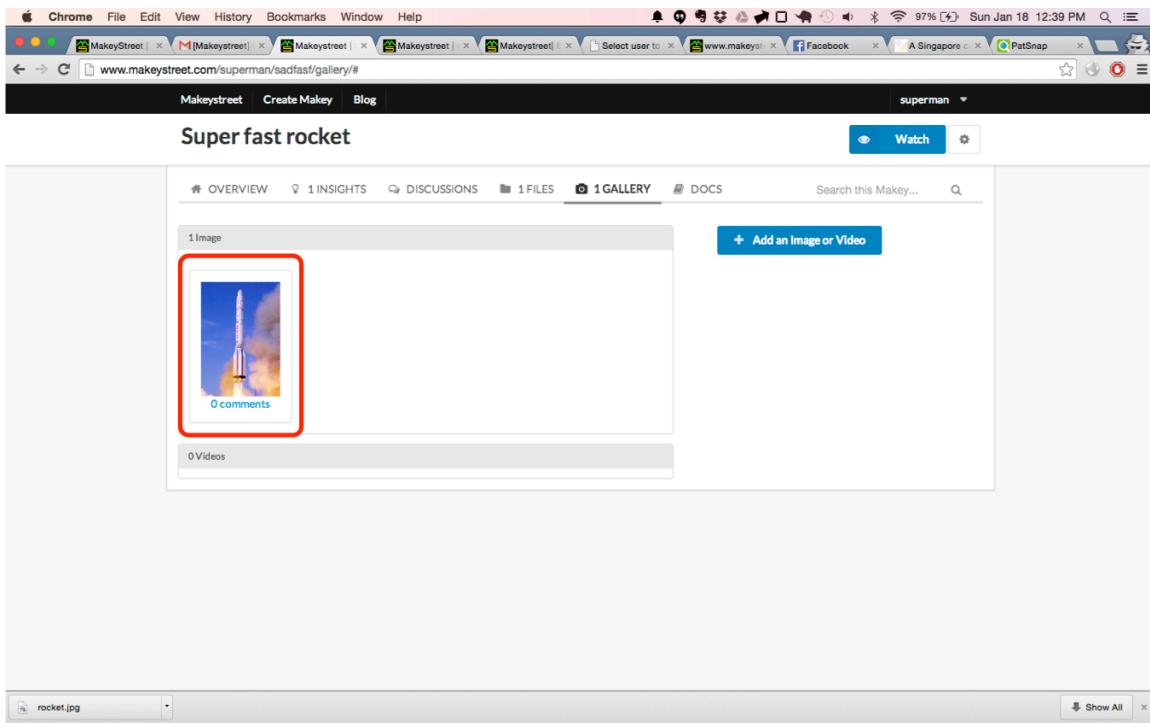
Click on “Add an Image or Video”

5.3

You are on the image tab. You can either link an image that already exists or you can upload an image. Lets upload an image.



Click on “Upload Image”. Select image

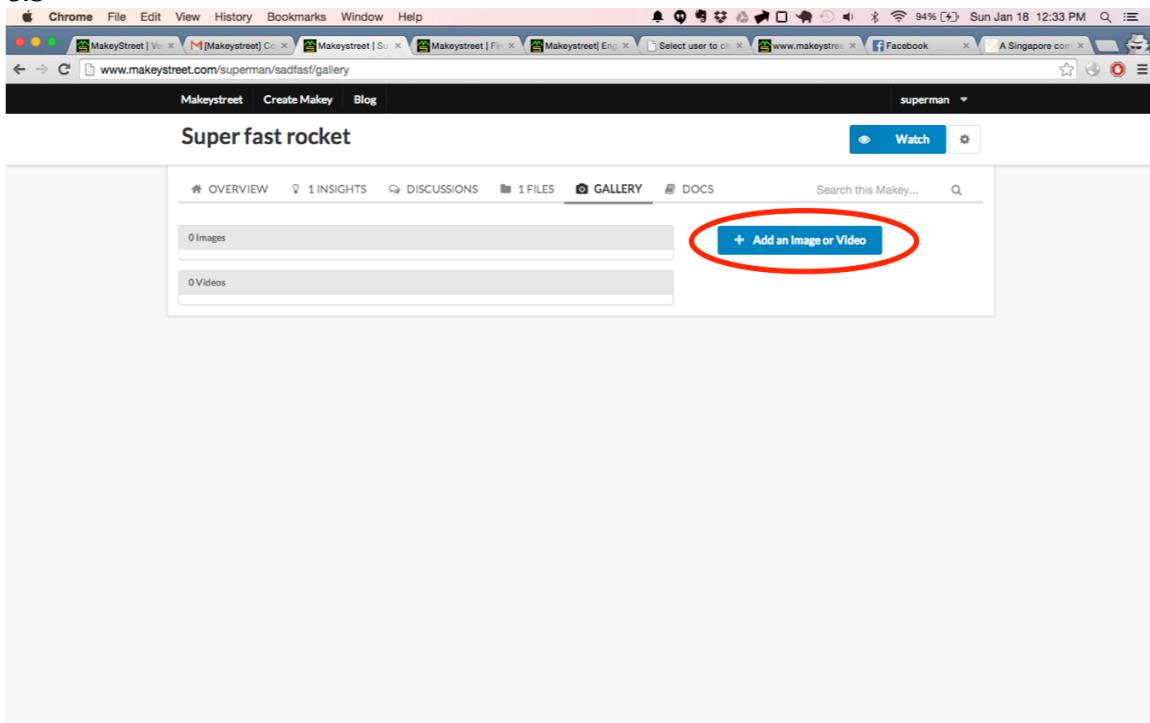


Once the image is uploaded, it will show up on the left side on the Gallery page.

6 Adding a video

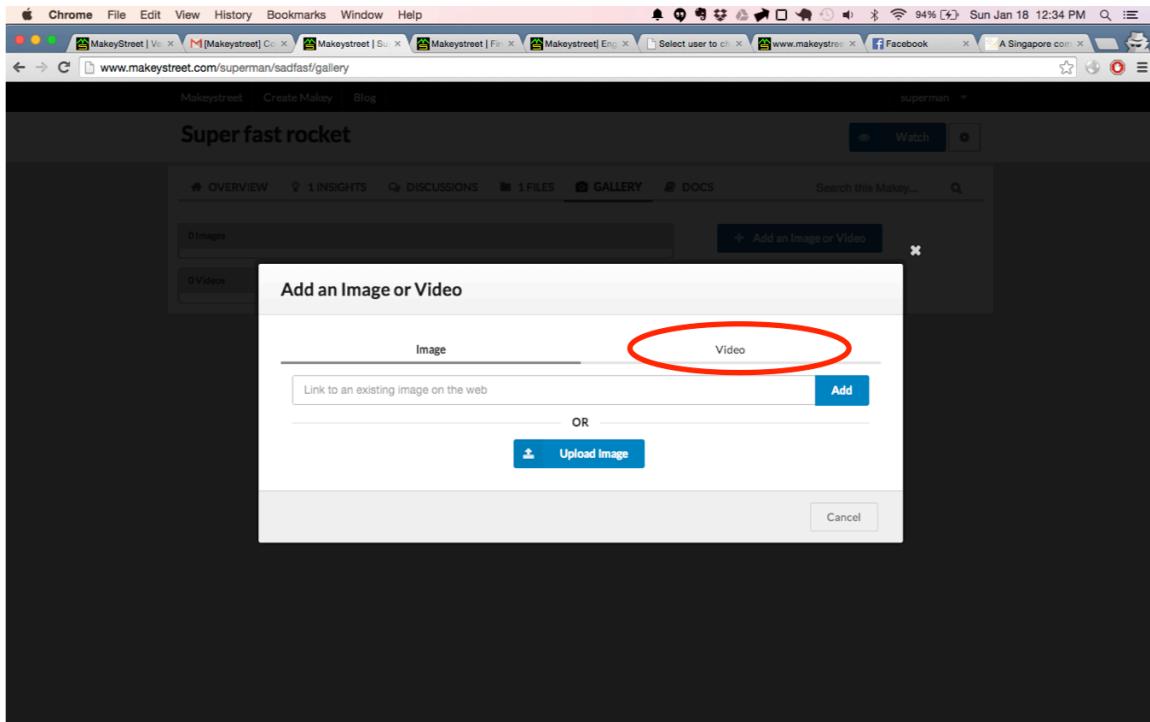
- 6.1 Upload the video to youtube or any other video hosting website
- 6.2 Click on “Gallery” Tab

6.3



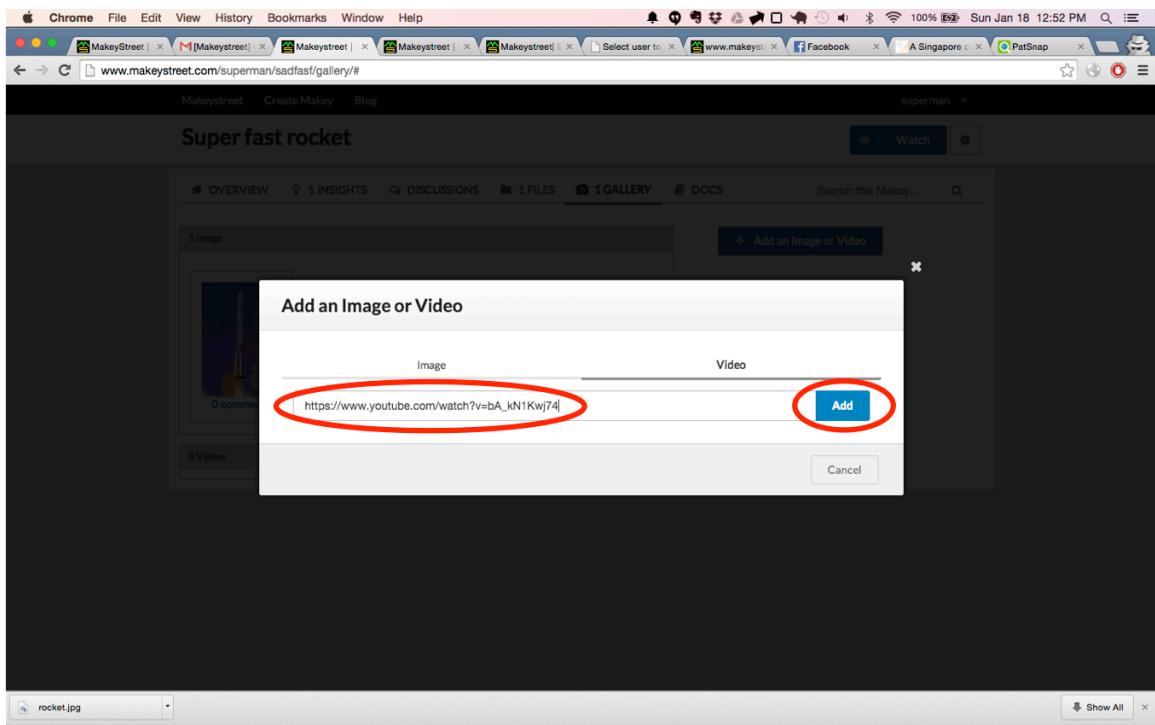
Click on “Add an Image or Video”

6.4



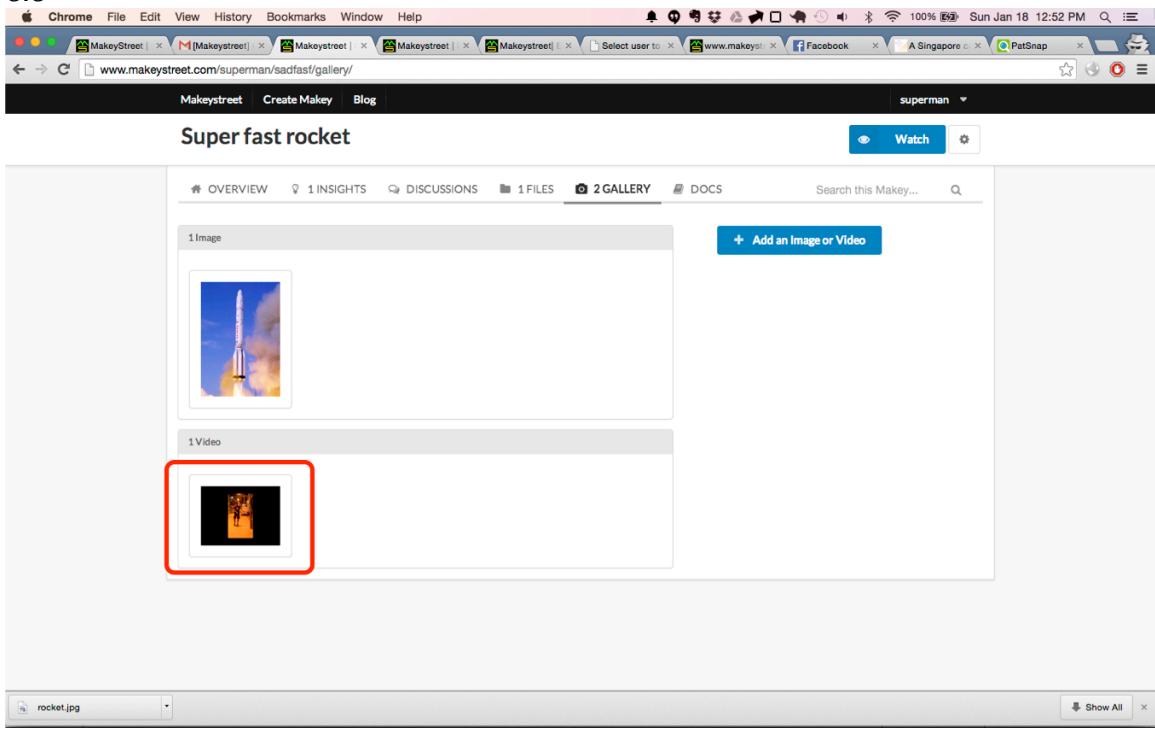
Select “Video” tab

6.5



Enter the link to the video and click "add".

6.6



The video will show up on the left side below images (if any).

7 Adding a sub-assembly

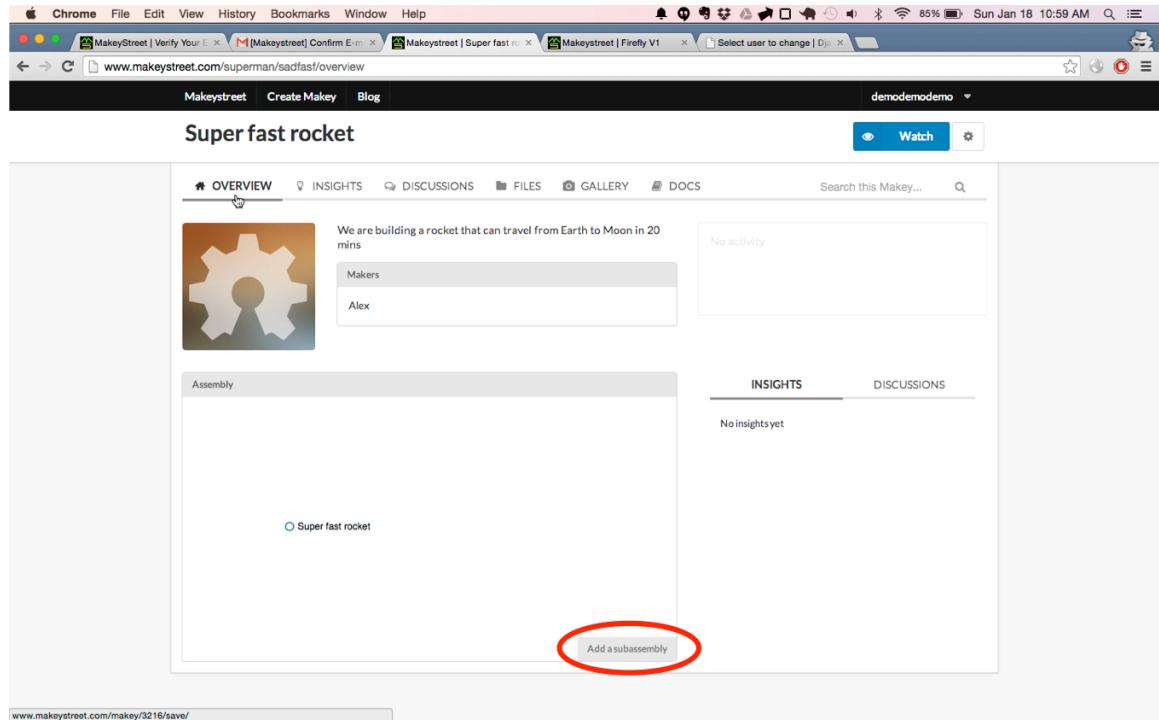
Your project most likely has sub-assemblies. For eg, if you are building an electric bike some of your sub-assemblies are front suspension, drive train etc, battery pack etc. You can document and version-control each sub-assembly separately.

The following steps guides you in creating sub-assemblies

7.1

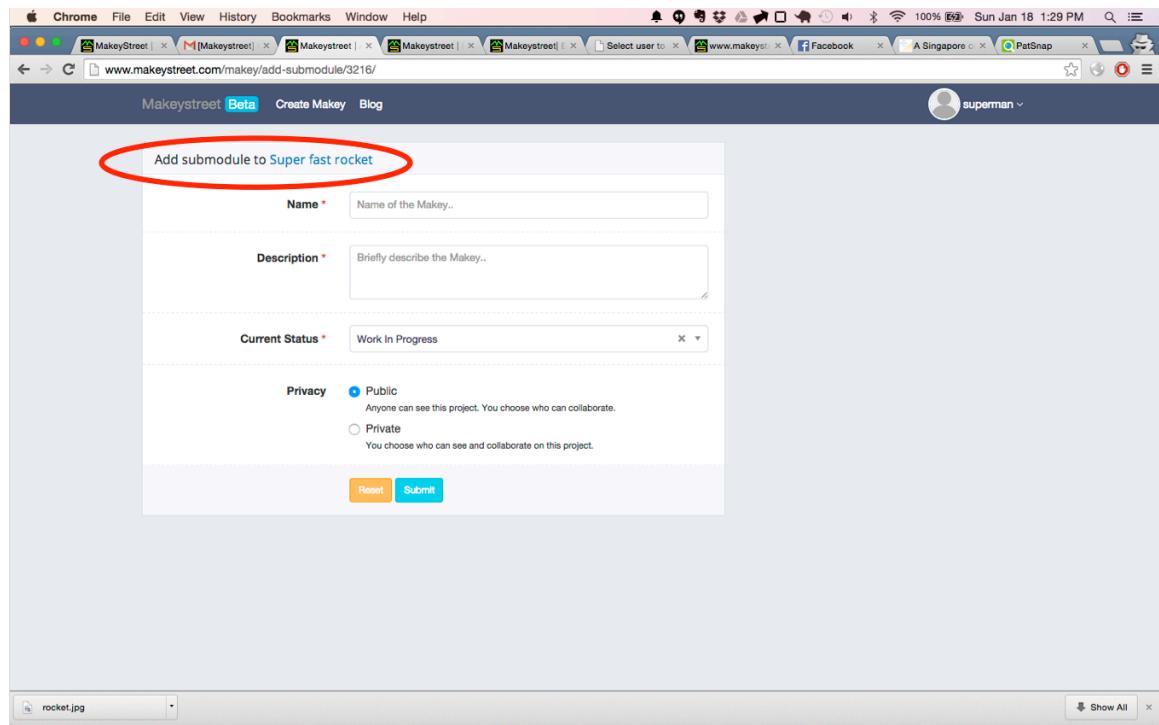
Click on “overview” tab

7.2



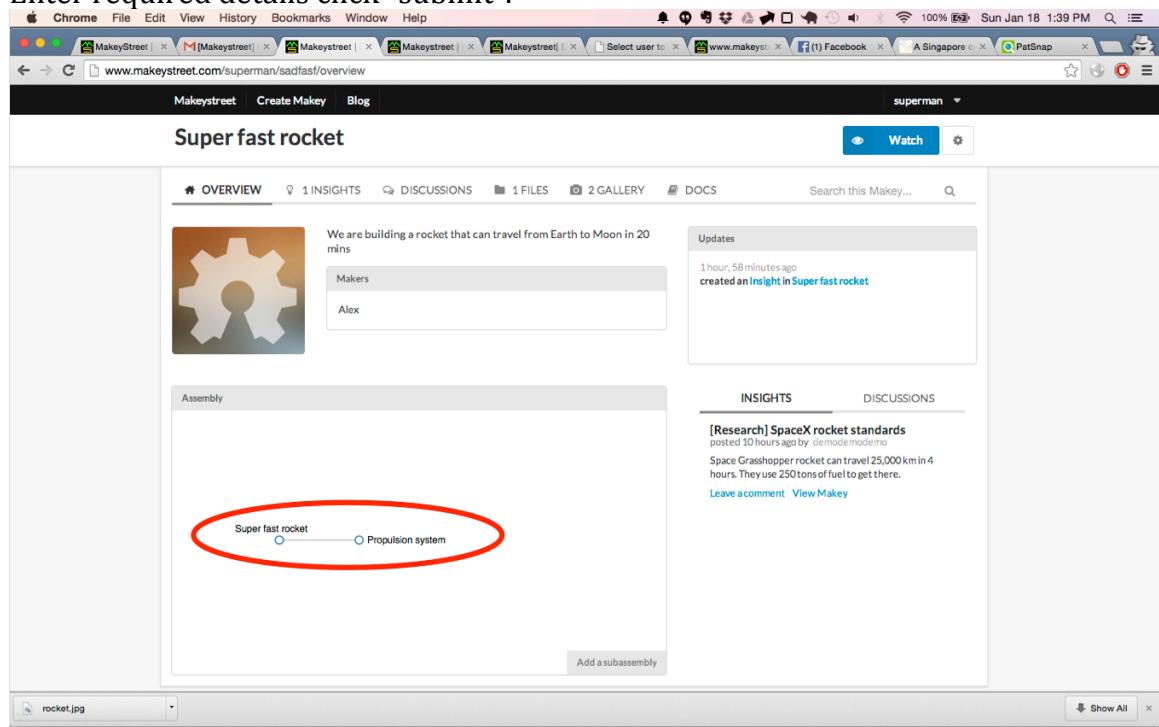
Click on “Add a sub-assembly”

7.3



Creating a sub-assembly is similar to creating a new project. Notice that on the image above is says that the new module that you are creating is a sub-assembly to your existing project (Super fast rocket)

Enter required details click "submit".



Here we just created a sub-assembly “Propulsion System”. It is now visible on the overview page of your original project.

7.4

The screenshot shows a web browser window with multiple tabs open, including several Makeystreet tabs. The main content is a project titled "Super fast rocket". The top navigation bar includes "OVERVIEW", "INSIGHTS", "DISCUSSIONS", "FILES", "GALLERY", "DOCS", and a search bar. Below the title is a placeholder image for a gear. A text box contains the message: "We are building a rocket that can travel from Earth to Moon in 20 mins". Under the text box, there's a "Makers" section listing "Alex". To the right, a "Updater" box shows activity from "2 hours, 45 minutes ago". The main area displays a hierarchical tree structure: "Super fast rocket" has two children: "Propulsion system" and "Astronaut Cabin". A red dashed oval highlights the link "Go to Propulsion system" next to the "Propulsion system" node. Another red dashed oval highlights the "0 insights, 0 discussions, 0 files, 0 media" stats for the "Propulsion system" node. To the right of the tree, there are "INSIGHTS" and "DISCUSSIONS" sections, both currently empty. A red box highlights the "INSIGHTS" section. At the bottom left, the URL "www.makeystreet.com/makey/add-submodule/3216/" is visible, and at the bottom right, there are "Show All" and "X" buttons.

Hover on any sub-assembly – it will show you basic stats on that sub-assembly

Click on any sub-assembly – it will show you insights that are added to that sub-assembly

As you can see, we just created a new sub-assembly. The new sub-assembly does not have any insights. To create insights in a sub-assembly you will need to navigate to the separate page of that sub-assembly. Click on “Go to Propulsion system” (Dotted oval)

To get a better idea on how sub-assemblies work, check out this project -
<http://www.makeystreet.com/alex/firefly-v1/overview>

8. Other projects at DI workshop

The screenshot shows a web browser window with multiple tabs open. The active tab is titled "www.makeystreet.com/wall/mit-di-2015". The page header includes "Makeystreet", "Create Makey", and "Blog". A user profile "superman" is visible. The main content area is titled "MIT Media Lab Design Innovation Workshop 2015". On the left, a sidebar lists project tracks: Civic Innovation, Synthetic Biology, Welspun Smart Textiles, Synchronous Tools, Immersive Storytelling, Sensors Across Scales, Samsung Lifelong Learning, Creating Engaging Playful Experiences, Enabling Toys, and Networked Playscapes. The "Enabling Toys" track is currently selected. The main content area displays a message: "No insights yet". Below this, there is a small image preview of a file named "rocket.jpg".

All the insights that you have contributed to your project will be displayed sorted by tracks on this page - <http://www.makeystreet.com/wall/mit-di-2015/>

This page will soon be integrated on <http://india.media.mit.edu/> website so that after the workshop other people can see the awesome work done by the attendees during the workshop.

Insights show what you learned. It shows how awesome you are. Get started and start sharing insights.

Note:

About the example project - <http://www.makeystreet.com/alex/firefly-v1/>