



The
BRITISH
UNIVERSITY
IN EGYPT

HCI Final project

IETF.org

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225328

A-7

PACT Item	Info/Elaboration	Implications on Interface
People Who is my audience?	<ul style="list-style-type: none"> • +18 years old • Novice developer • Experts in technology • Normal people (Donate) • English speakers 	<ul style="list-style-type: none"> • Attractive design to take the attention of volunteers and normal people • Simple titles and icons to direct different users to their targets • Categorize the website according to the different interests. <p>EXAMPLES: Meetings section, participation section, Donating section</p>
Activities What will they be doing?	<ul style="list-style-type: none"> • Donate • Meetings reservation • Events reservation • Sign up to participate (mailing list) • Get Info • Contact 	<ul style="list-style-type: none"> • Different ways for donating transaction • Modern management system for different reservation with a clear table of events information and dates • Divide the information in separate sections according to the different activities • several contact ways
Context	<ul style="list-style-type: none"> • From home • From Office 	<ul style="list-style-type: none"> • Formal design • Colors should be consistent
Technologies	<ul style="list-style-type: none"> • PC and laptop • Smartphones and tablets • Touch screen • Touchpad • Mouse and keyboard 	<ul style="list-style-type: none"> • Design different views for different screen size (Responsive website) • Provide examples of the valid entered date and the used devices • Immediate response by hovering by mouse

Survey:

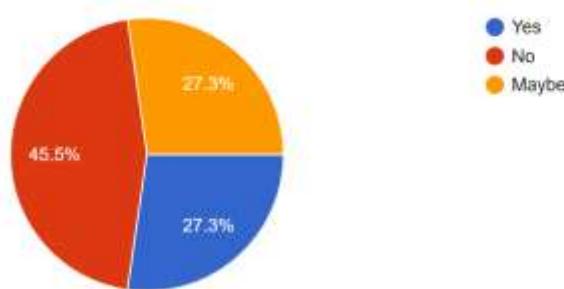
Method:

A survey was made among BUE students to evaluate the old design in order to understand the mental model for normal users.

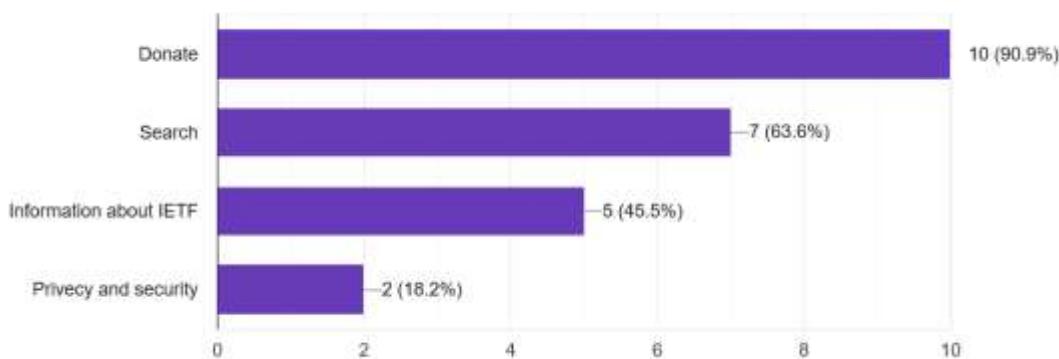
https://docs.google.com/forms/d/e/1FAIpQLSdOQi6Ran51Z0XTPOA1cTr17wCsD4oojRBU M8DdzDKV7nIEOg/viewform?usp=sf_link

Findings:

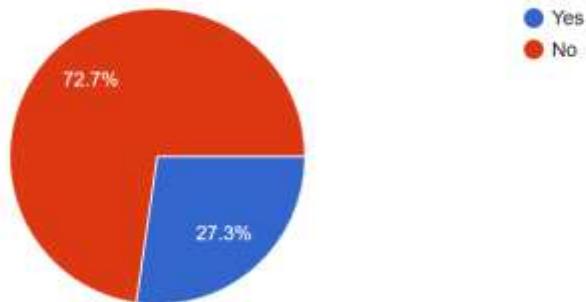
Q1: By your first look at the home page, could you understand what the website for?



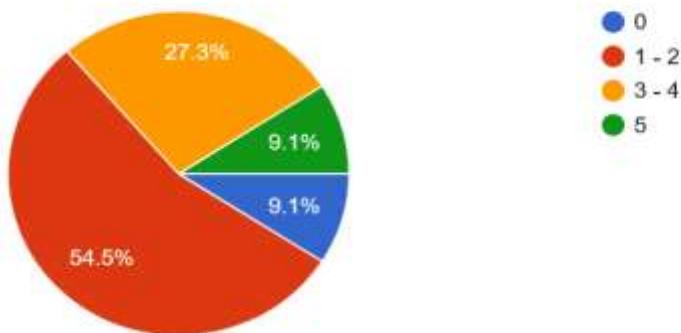
Q2: By opening the home page, Which of these options were clear enough to indicate?



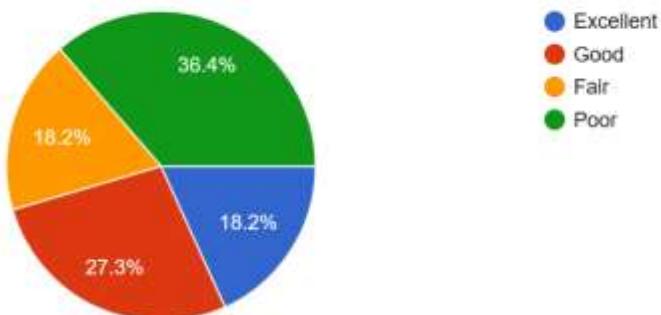
Q3: Try to contact the IETF development team, could you find the contact page?



Q4: How would you rate the web design out of five?

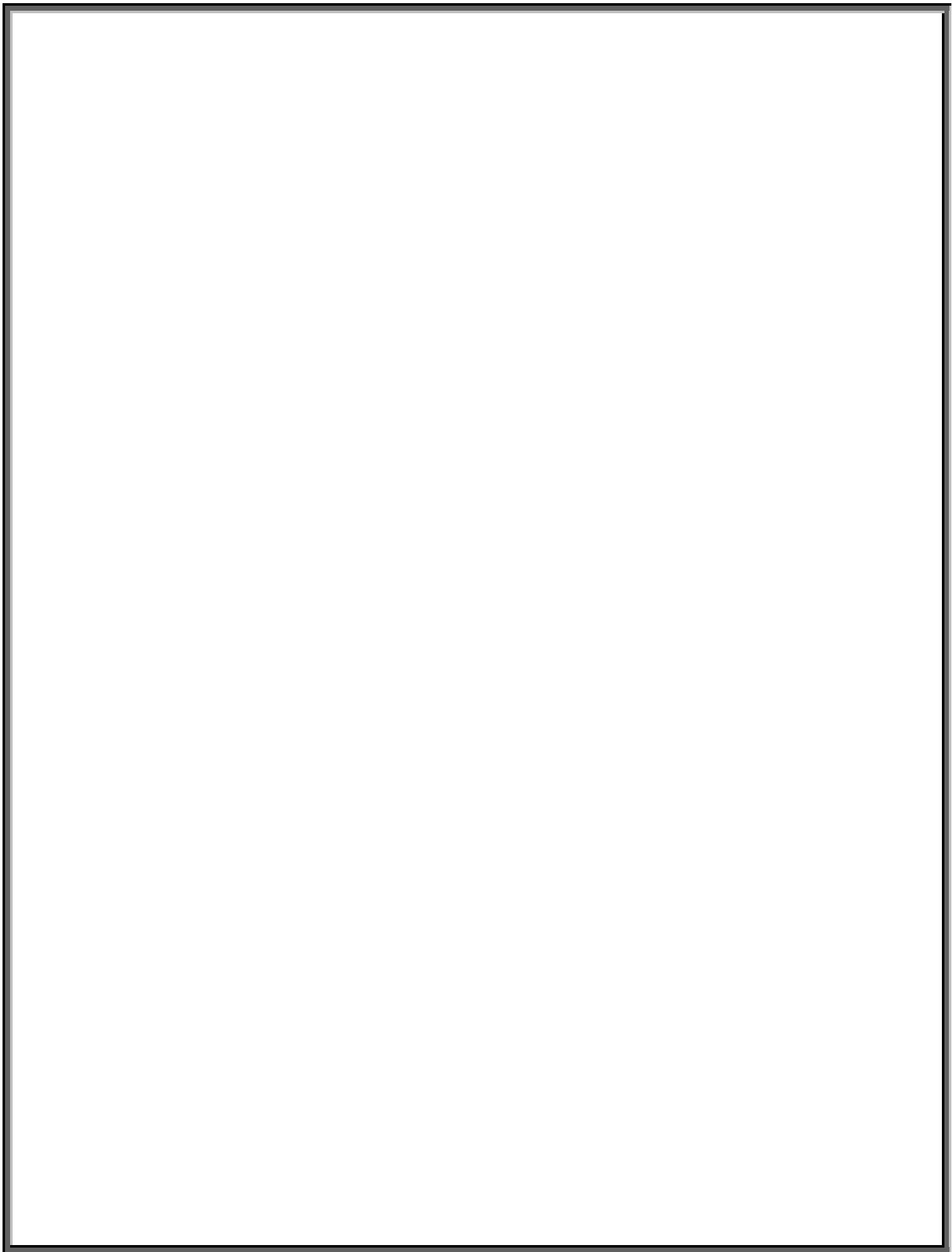


Q5: How easy is it to navigate through the system?



Q6: Any suggested idea for better design?

1. Divide things into different sections
2. Add some spaces around the sections
3. Too many things in the nav bar
4. Footer options are not understandable
5. Add the contact IETF development team in the contact page
6. Make the search bar more clear



12 PRINCIPLES OF DESIGN

ietf.org

1- Visibility

Some of the available functions of the website could be seen clearly. However, some features are a bit hidden.

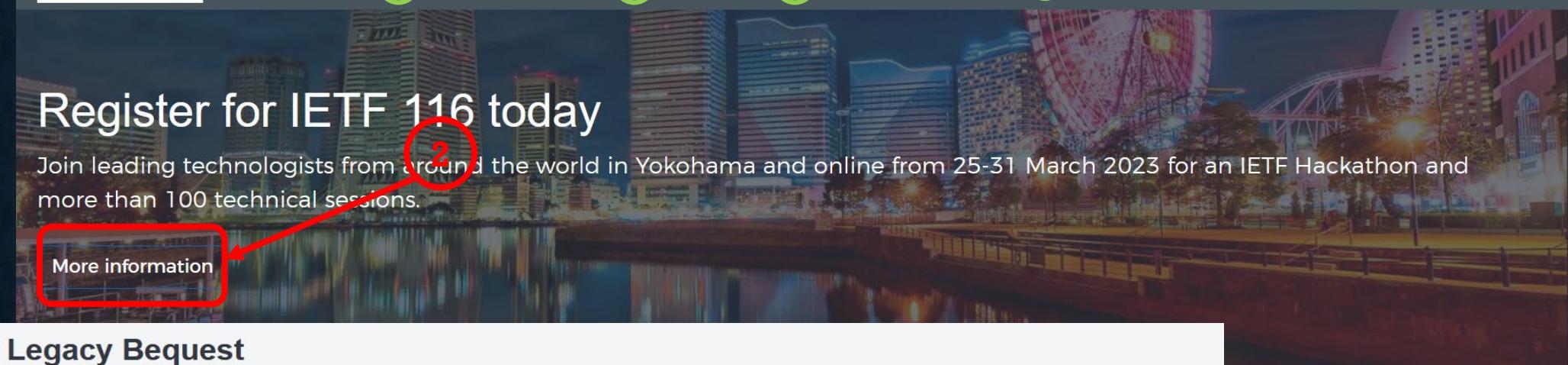
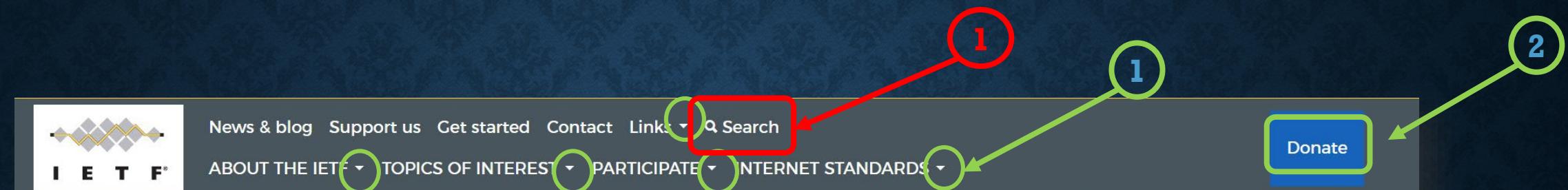
Positive points:

1. Some arrows are added next to the available lists in the nav bar
2. Donate Button is clearly inserted at the top of the page

Negative points:

1. The search option is included to the other options, so it became not clear enough
2. Some buttons are not seen such as “More information” or too small “All topics” button
3. Contact IETF developers team is not located among the “contact” section but among “support us” instead.

Rating: (2.5/5)



Legacy Bequest

If you are considering leaving a bequest to IETF in your will, we encourage you to let us know. We'd be pleased to help with any information you may need to complete paperwork, and happy to talk through ways to designate that gift to represent your wishes most impactfully. Please [contact Director of Development Lee-Berkeley Shaw](#).

Contact the IETF Development team

Contact the IETF Development team for more information about how you can support open Internet standards.

[Connect now](#)

3

YOU MIGHT BE INTERESTED IN

[Learn about the IETF Endowment](#)

[See all the financial supporters of the IETF](#)

2- Consistency

Most of the website layout is consistent its view and navigation methods. However some pages have menus that is not existed in other pages. Plus, The navigation bar is different in some domains.

Positive points:

1. The navigation bar is similar at the all pages that are mentioned in it (News & blogs, Support us, Contact,)
2. Similar footer in the pages of the same domain (ietf.org/&&&&)
3. Similar layout for different section

Negative points:

1. Different navigation bars in different domains
2. The navigation menu is not existed in all pages

Rating: (3.5/5)



[News & blog](#) [Support us](#) [Get started](#) [Contact](#) [Links ▾](#) [Search](#)

[ABOUT THE IETF ▾](#) [TOPICS OF INTEREST ▾](#) [PARTICIPATE ▾](#) [INTERNET STANDARDS ▾](#)

[Donate](#)



Topics of interest

The IETF works on a broad range of networking technologies that provide the foundation for the Internet's growth and evolution. The pages below provide a guide to some popular topics that cut across IETF Areas.

1



[News & blog](#) [Support us](#) [Get started](#) [Contact](#) [Links ▾](#) [Search](#)

[ABOUT THE IETF ▾](#) [TOPICS OF INTEREST ▾](#) [PARTICIPATE ▾](#) [INTERNET STANDARDS ▾](#)

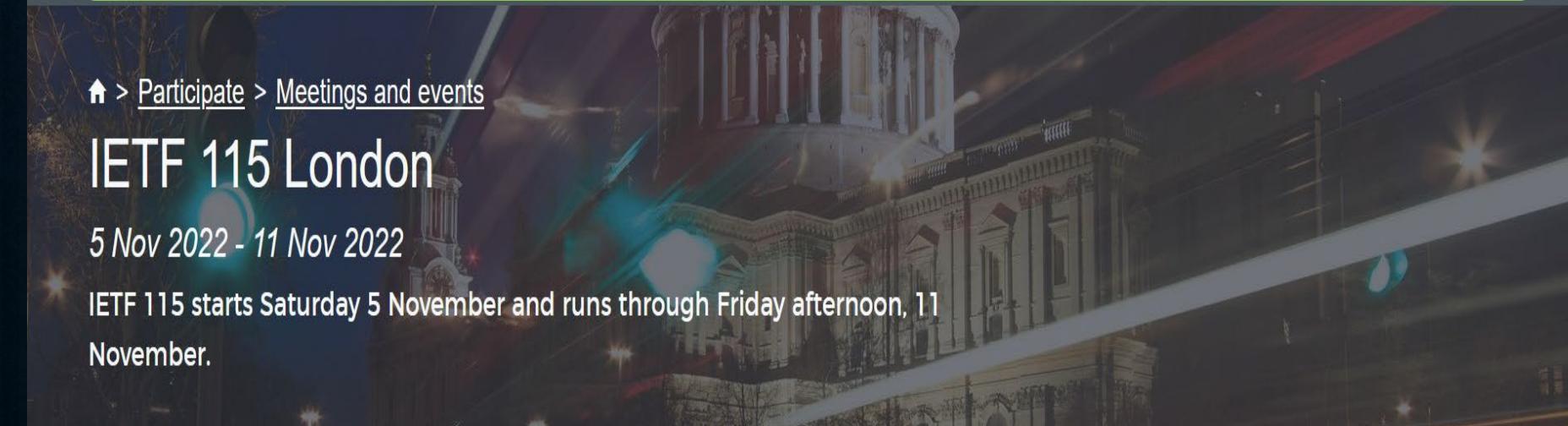
[Donate](#)

[↑](#) > [Participate](#) > [Meetings and events](#)

IETF 115 London

5 Nov 2022 - 11 Nov 2022

IETF 115 starts Saturday 5 November and runs through Friday afternoon, 11 November.



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as the name implies, aims to improve and make more efficient management of networks as they continue to increase in size and complexity.

with electronics, software, sensors, actuators, and connectivity to enable objects to exchange data with the manufacturer, operator, and/or other connected devices.

[All topics](#)

Next IETF meeting

Stay tuned for the latest information on the next IETF meeting scheduled for 25-31 March 2023

[Visit the IETF 116 meeting webpage](#)

IETF LLC

RFC Editor

IANA

IAB

IRTF

IETF Trust

Privacy & policies

2



Support the IETF

The IETF relies on a variety of support to ensure its work remains open, accessible, and available to anyone around the world.

The Internet Engineering Task Force (IETF) is the premiere Internet standards body that creates open protocols to ensure that the global Internet is built on the highest-quality technical standards. These standards, shaped by rough consensus and informed by running code, are developed by leading engineering and technical experts from around the world, acting in their individual capacities. IETF processes are open and transparent, and IETF standards are freely available to anyone.

Standards and protocols developed at the IETF provide a core framework for today's online world. Everything from video conferencing, to email, to cloud storage is built on standards developed in the IETF community. In short, our work makes the Internet work better.

Be a part of ensuring a global Internet for all by offering your support to the IETF today! You can review our gift acceptance policy for additional information.

[HOME](#)

[About the IETF](#)
[Topics of interest](#)
[Participate](#)
[Internet standards](#)



[Home](#) > [About the IETF](#) > [Participate in the IETF](#)

Getting Started in the IETF

Welcome! If you are a new participant in the IETF, this page is meant for you. It gives a short introduction, some general advice to new participants, and a guide to sources of further information.

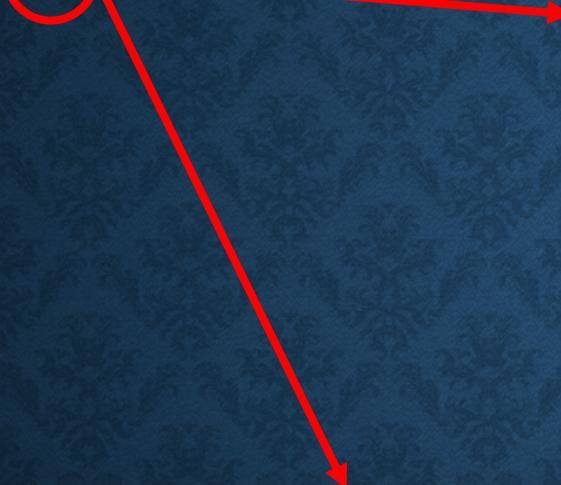
- [Introduction](#)
- [How to start](#)
- [Guides program](#)
- [Participating in meetings](#)
- [Official documents](#)
- [Other resources](#)
- [Appendix: Where do RFCs come from?](#)

Introduction

- [PARTICIPATE IN THE IETF](#)
[Getting Started in the IETF](#)
[IETF Guides](#)
[The Tao of IETF](#)

3

1



Datatracker Groups ▾ Documents ▾ Meetings ▾ Other ▾ User ▾ Report a bug ⓘ Sign in Document search

 I E T F®

Datatracker

The IETF Datatracker is the day-to-day front-end to the IETF database for people who work on IETF standards. It contains data about the documents, working groups, meetings, agendas, minutes, presentations, and more, of the IETF.

The primary public face of the IETF is at www.ietf.org.



News & blog Support us Get started Contact Links ▾ Search

ABOUT THE IETF ▾ TOPICS OF INTEREST ▾ PARTICIPATE ▾ INTERNET STANDARDS ▾

Donate

↑ > Participate > Meetings and events

IETF 115 London

5 Nov 2022 - 11 Nov 2022

IETF 115 starts Saturday 5 November and runs through Friday afternoon, 11 November.

The screenshot shows the IETF website's navigation bar at the top, featuring links for News & blog, Support us, Get started, Contact, Links, Search, ABOUT THE IETF, TOPICS OF INTEREST, PARTICIPATE, and INTERNET STANDARDS. A blue 'Donate' button is also present. Below the navigation, a breadcrumb trail indicates the current page: Home > About the IETF > Participate in the IETF. The main title is 'Getting Started in the IETF'. A welcome message for new participants is followed by a list of links: Introduction, How to start, Guides program, Participating in meetings, Official documents, Other resources, and Appendix: Where do RFCs come from? To the right, a sidebar titled 'PARTICIPATE IN THE IETF' lists: Getting Started in the IETF, IETF Guides, and The Tao of IETF.

News & blog Support us Get sta

ABOUT THE IETF TOPICS OF INTEREST PARTICIPATE INTERNET STANDARDS

Donate

Home > About the IETF > Participate in the IETF

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- [Introduction](#)
- [How to start](#)
- [Guides program](#)
- [Participating in meetings](#)
- [Official documents](#)
- [Other resources](#)
- [Appendix: Where do RFCs come from?](#)

Introduction

News & blog Support us Get sta

ABOUT THE IETF TOPICS OF INTEREST PARTICIPATE INTERNET STANDARDS

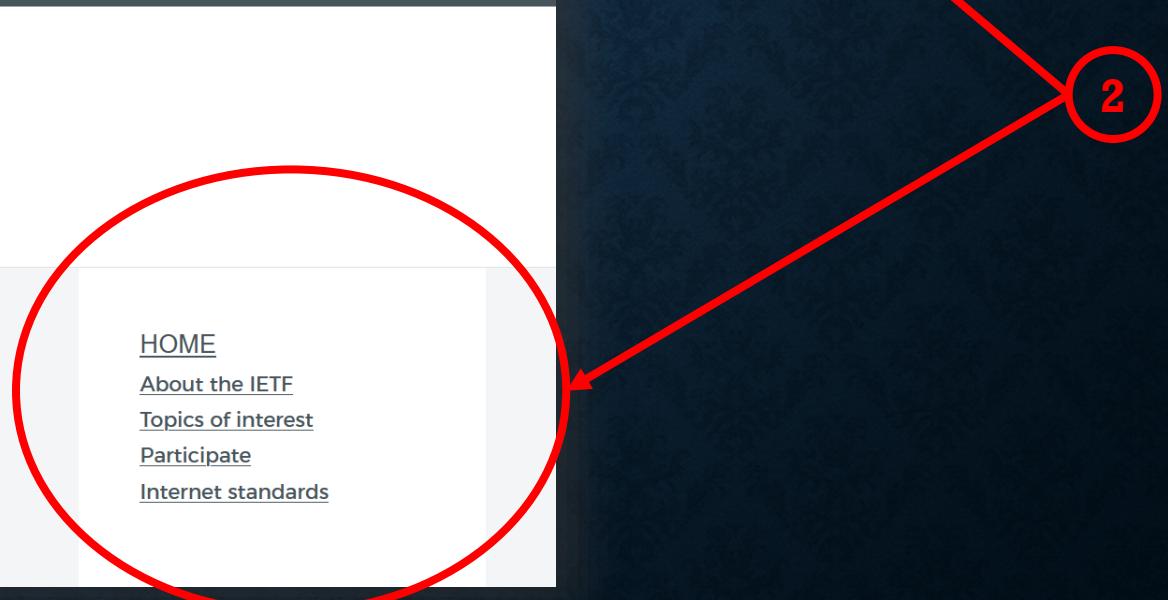
Donate

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Standards and protocols developed at the IETF provide a core framework for today's online world. Everything from video conferencing, to email, to cloud storage is built on standards developed in



3- Familiarity

According to the web activities and the target audience, the web site is mostly familiar to its users.

Positive points:

- The web language is only in English which is good enough for its users, since the organization service is only preformed in USA
- 1. The use symbols are pretty familiar such as that is next to the search option
- 2. The search bars are created to be familiar, easy to use and attached with a specific description to what it searches for
- 3. Each payment method has a button that points to it clearly in a very familiar way.

Negative points:

- 1. The error message that comes while donating is not readable by normal people.
- 2. Some options in the footer are not understandable like “IAB”, “IANA” and open other unexpected pages (other sites).

Rating: (3/5)



News & blog Support us Get started Contact Links ▾ Search

Donate

ABOUT THE IETF ▾ TOPICS OF INTEREST ▾ PARTICIPATE ▾ INTERNET STANDARDS ▾

1

1

2

Search the IETF email archive

Much of the daily work of the IETF is conducted on electronic mailing lists. A new mail archive tool realizing the requirements developed in [RFC 6778](#) is now in use:

Search the email archive

Go

Search IETF Datatracker

The IETF Datatracker contains data about IETF documents, working groups, meetings, agendas, minutes, presentations, and more:

Search datatracker

Go

Total

Donor details for your receipt

Email

First Name

Last Name

Organisation (optional)

Show your details on the [Supporters page](#)

Choose a payment method

PayPal

Debit or Credit Card

Powered by PayPal

3

Donate to the IETF Endowment

Help sustain the mission of the IETF for the long-term as it fosters and produces technical standards that improve how the global Internet is developed, used, and managed.

There was an error processing your payment

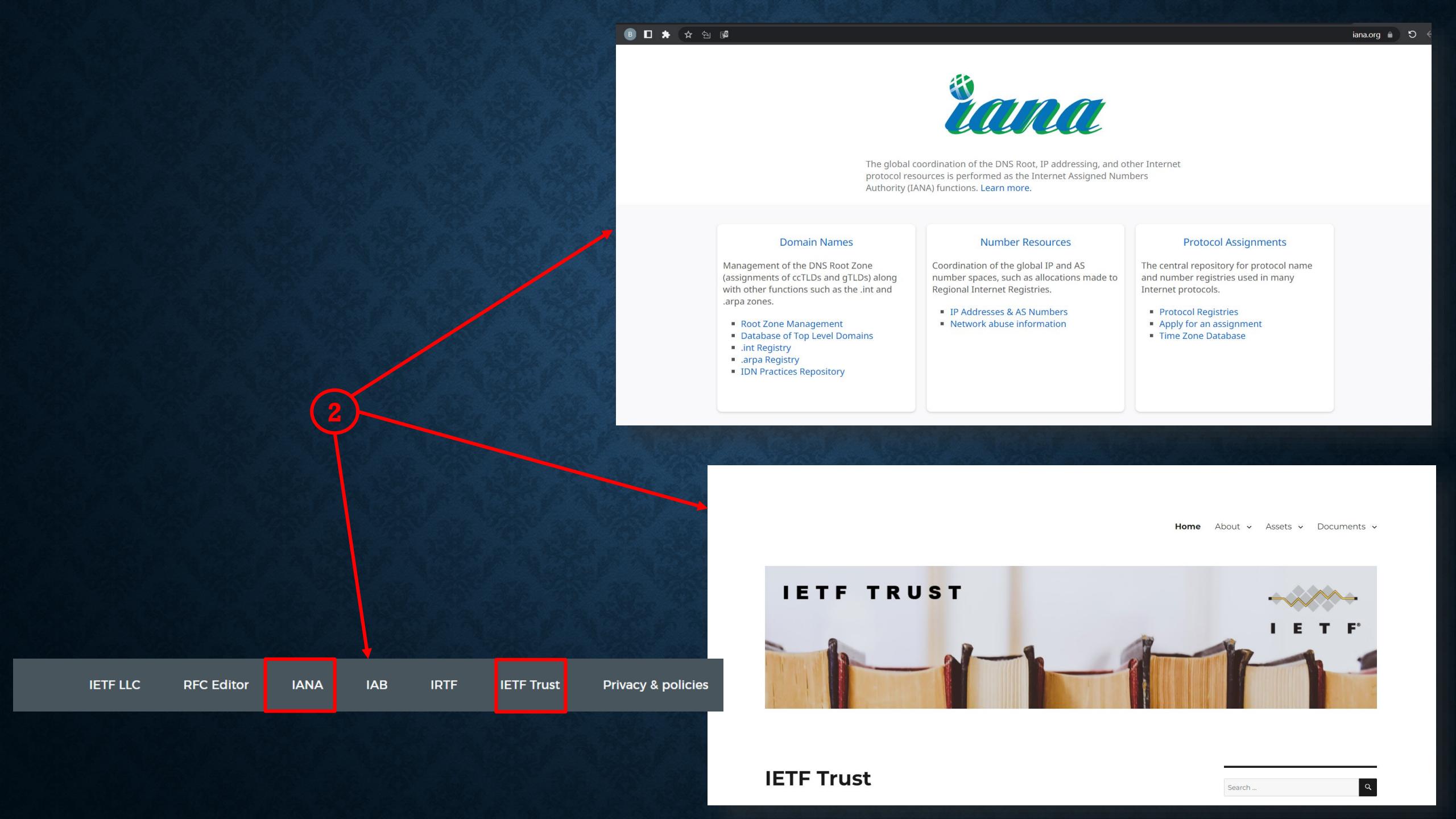
Error: /v2/checkout/orders returned status 422 (Corr ID: f250517c3794f).

```
{"name": "UNPROCESSABLE_ENTITY", "details": [{"field": "/purchase_units/@reference_id==`default`/amount/value", "value": "-56", "issue": "CANNOT_BE_ZERO_OR_NEGATIVE"}, {"message": "The requested action could not be performed, semantically incorrect, or failed business validation.", "debug_id": "f250517c3794f", "links": [{"href": "https://developer.paypal.com/docs/api/orders/v2/#error-CANNOT_BE_ZERO_OR_NEGATIVE", "rel": "information_link", "method": "GET"}]}]
```

Please try again later

[IETF ENDOWMENT](#)
[IETF Endowment](#)
[supporters](#)
[Donate to the IETF Endowment](#)

1



4- Affordance

Most of the web UI is clearly usable and suitable to its target audience, However some components are not clearly present their functionality.

Positive points:

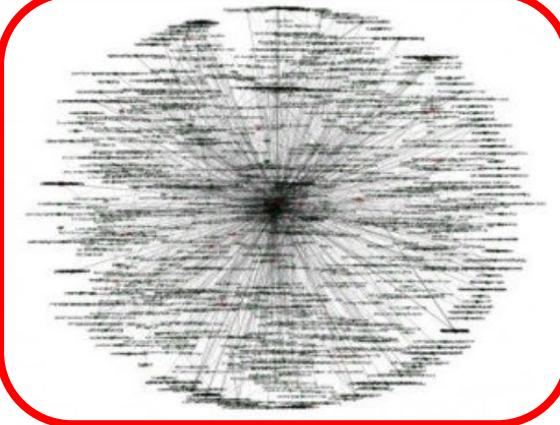
1. Since the website targets many experts and specialists of technology, the used pictures are good enough to understand the section title.
2. The filtering method is typical to other web

Negative points:

1. Some pictures are anonymous and do not present its topic enough.
2. The navigation buttons at the bottom of the “News and blogs” page are different than other normal web applications.

Rating: (2.5/5)

1



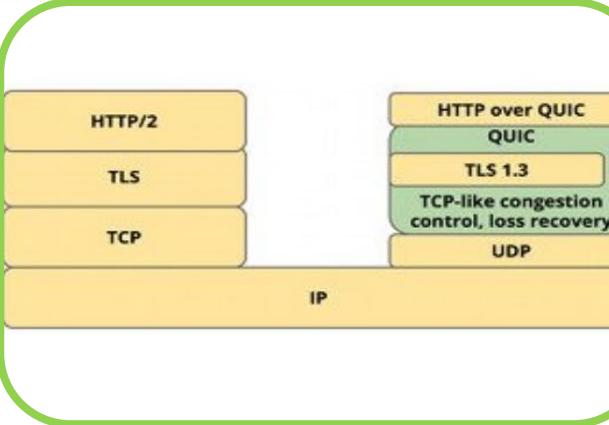
Automated network management

The IETF is working on standards for automated network management which, as the name implies, aims to improve and make more efficient management of networks as they continue to increase in size and complexity.



The Internet of Things at the IETF

The Internet of Things (IoT) is the network of physical objects or "things" embedded with electronics, software, sensors, actuators, and connectivity to enable objects to exchange data with the manufacturer, operator, and/or other connected devices.



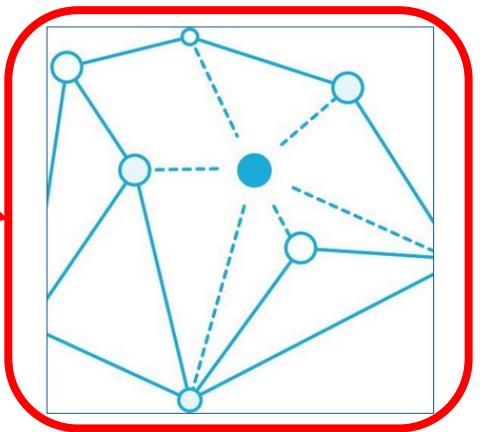
New transport technology

The development of new transport technologies in the IETF provides capabilities that improve the ability of Internet applications to send data over the Internet.

HTTP/2	HTTP over QUIC
TLS	QUIC
TCP	TLS 1.3
	TCP-like congestion control, loss recovery
	UDP
IP	

Security & privacy >

Trust by users in security and privacy on the Internet is a critical part of its success. A range of components, including robust implementations, careful deployment, and appropriate use of security technologies, is required to create a trusted Internet.



1

[Home](#) > [IETF News](#)

Filter by topic and date

Topic

Date from

Date to

IETF 116 Yokohama registration now open

Jay Daley | IETF Executive Director

24 Nov 2022

Registration is now open for IETF 116 Yokohama

[IETF 115 post-meeting survey](#)

IETF 115 London was held 5-11 November 2022

Jay Daley | IETF Executive Director

22 Nov 2022

[Catching up on IETF 115](#)

Recordings are now available for sessions held during the IETF 115 meeting and the IETF Hackathon, where more than 1500 participants gathered in London and online 5-11 November 2022.

2

Share this page

[PREVIOUS](#)[IETF 115 post-meeting survey](#)[NEXT](#)

5- Navigation

The website provides a top navigation bar to enable people to move around the different parts of the system. Plus, it provides some additional menus to support easy navigation.

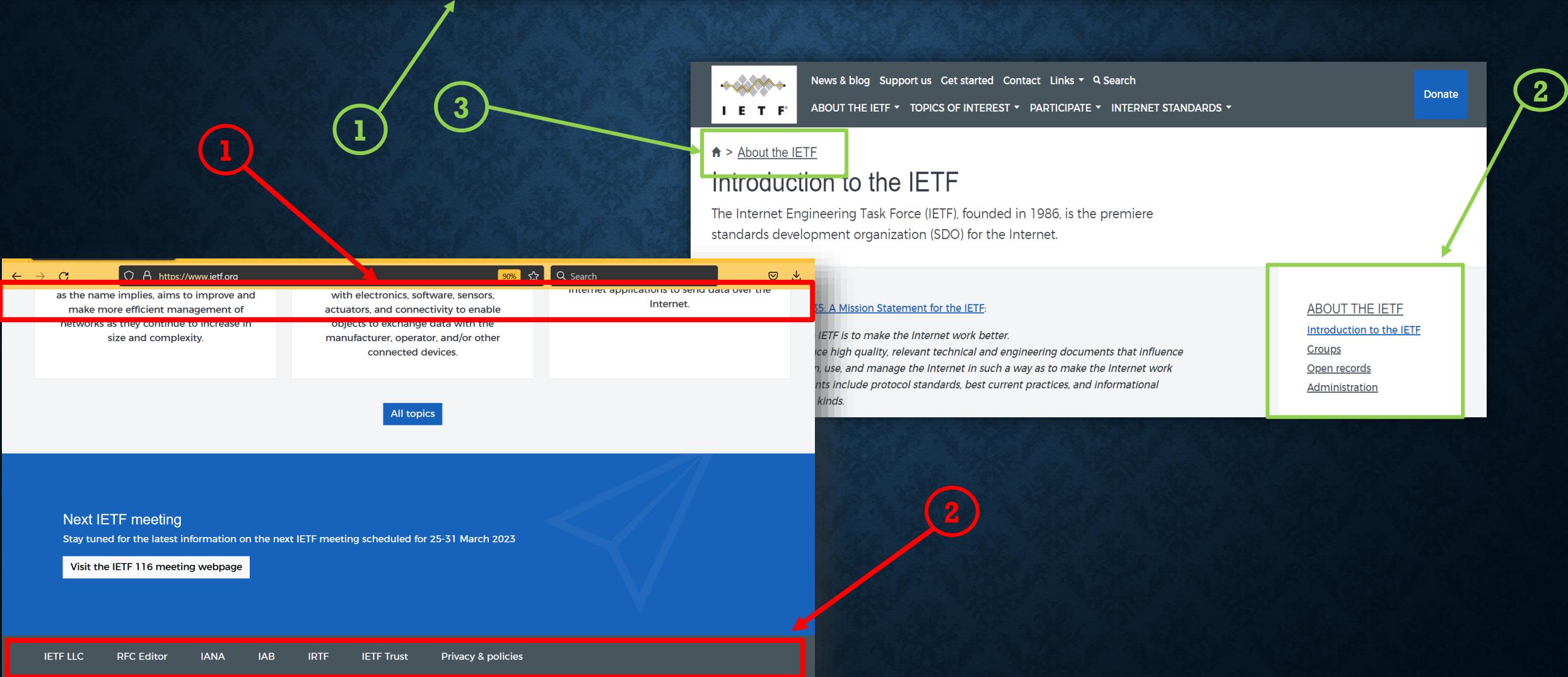
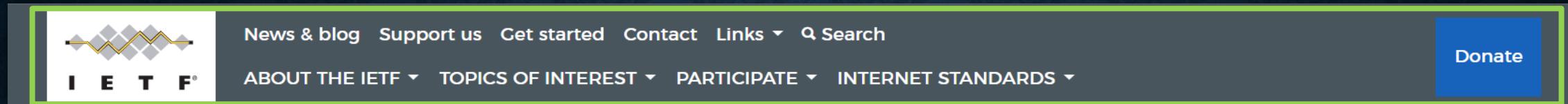
Positive points:

1. Navigation bar that contains the main sections of the website.
2. Additional menus that supports navigation through each section.
3. Inner link to helps users know where they are from the home page and

Negative points:

1. The navigation bar is not fixed
2. The footer has nothing to do with the navigation bar and leads to other websites.

Rating: (4/5)



6- Control

The website enables users to control some views and functions, and it's clear what can be controlled by users.

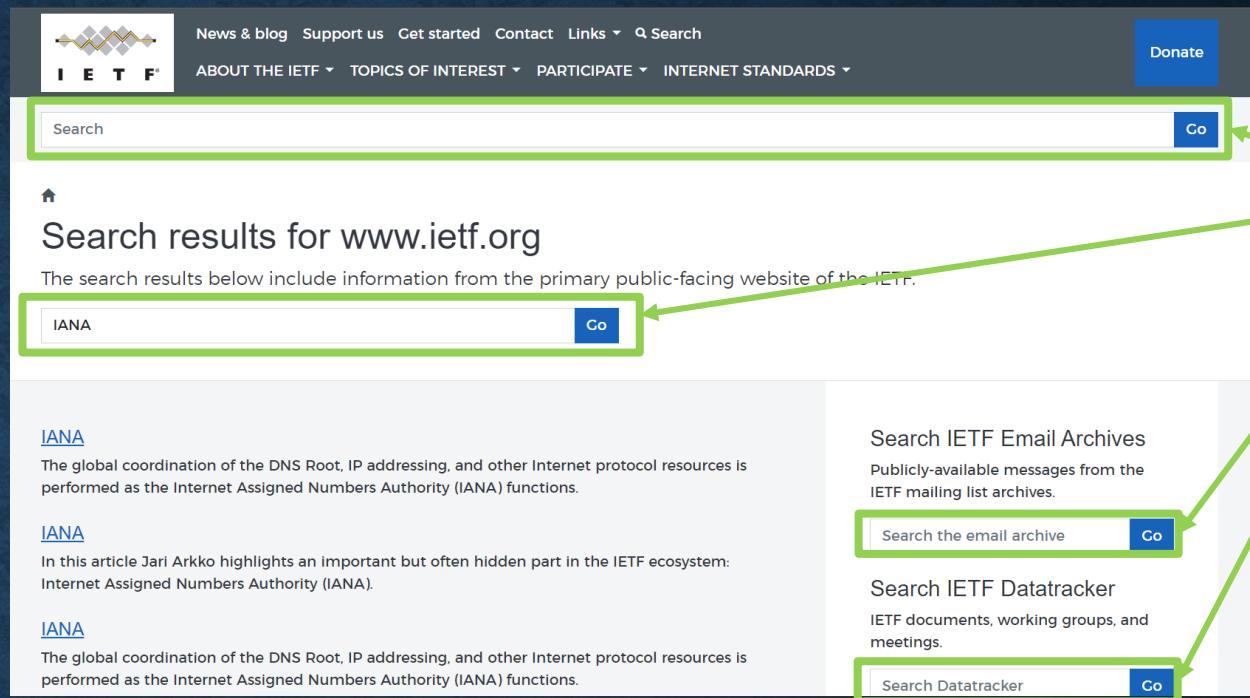
Positive points:

1. These Search Engines enable the users to control the appearance of the page they want.
2. Filter button makes the user able to know the news of the site in the time period that he wants.

Negative points:

- The website doesn't provide a view control, but it's still acceptable for that kind of business.

Rating: (4.5/5)



News & blog Support us Get started Contact Links ▾ ABOUT THE IETF ▾ TOPICS OF INTEREST ▾ PARTICIPATE ▾ INTERNET STANDARDS ▾

Search results for www.ietf.org

The search results below include information from the primary public-facing website of the IETF.

[IANA](#)

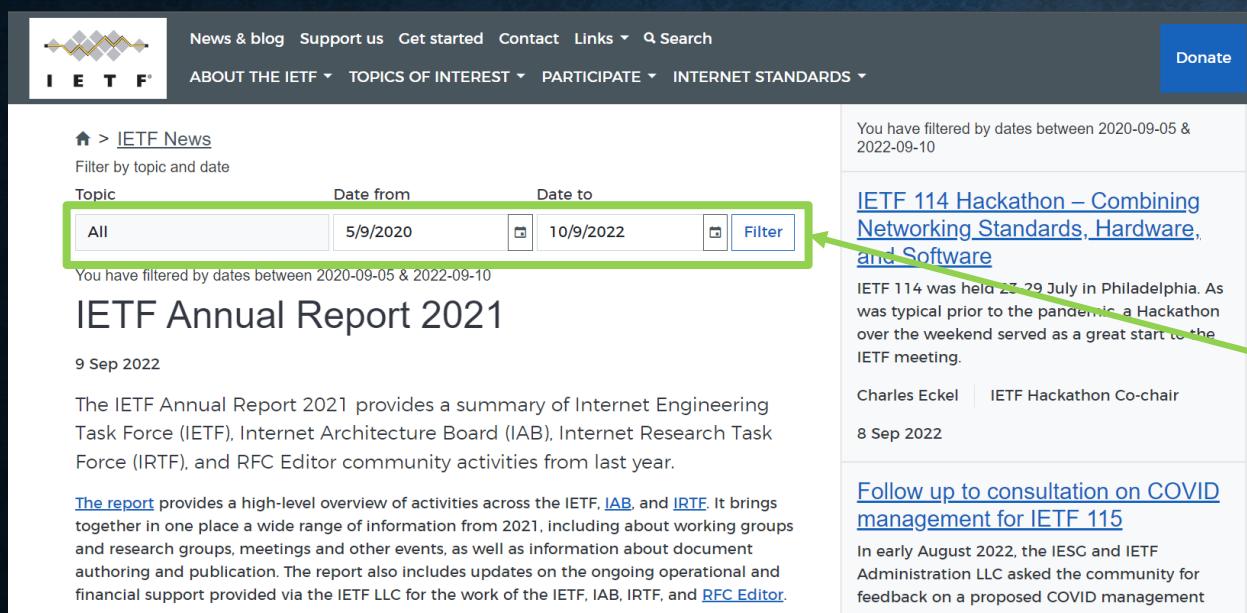
IANA
The global coordination of the DNS Root, IP addressing, and other Internet protocol resources is performed as the Internet Assigned Numbers Authority (IANA) functions.

[IANA](#)
In this article Jari Arkko highlights an important but often hidden part in the IETF ecosystem: Internet Assigned Numbers Authority (IANA).

[IANA](#)
The global coordination of the DNS Root, IP addressing, and other Internet protocol resources is performed as the Internet Assigned Numbers Authority (IANA) functions.

Search IETF Email Archives
Publicly-available messages from the IETF mailing list archives.

Search IETF Datatracker
IETF documents, working groups, and meetings.



News & blog Support us Get started Contact Links ▾ ABOUT THE IETF ▾ TOPICS OF INTEREST ▾ PARTICIPATE ▾ INTERNET STANDARDS ▾

> [IETF News](#)

Filter by topic and date

Topic Date from Date to

All 5/9/2020 10/9/2022 Filter

You have filtered by dates between 2020-09-05 & 2022-09-10

IETF Annual Report 2021

9 Sep 2022

The IETF Annual Report 2021 provides a summary of Internet Engineering Task Force (IETF), Internet Architecture Board (IAB), Internet Research Task Force (IRTF), and RFC Editor community activities from last year.

[The report](#) provides a high-level overview of activities across the IETF, [IAB](#), and [IRTF](#). It brings together in one place a wide range of information from 2021, including about working groups and research groups, meetings and other events, as well as information about document authoring and publication. The report also includes updates on the ongoing operational and financial support provided via the IETF LLC for the work of the IETF, IAB, IRTF, and [RFC Editor](#).

[IETF 114 Hackathon – Combining Networking Standards, Hardware, and Software](#)
IETF 114 was held 27–29 July in Philadelphia. As was typical prior to the pandemic, a Hackathon over the weekend served as a great start to the IETF meeting.

Charles Eckel IETF Hackathon Co-chair

8 Sep 2022

[Follow up to consultation on COVID management for IETF 115](#)
In early August 2022, the IESG and IETF Administration LLC asked the community for feedback on a proposed COVID management

7- Feedback

Most methods give people faster feedback information, that helps them to know what effect their actions have had.

Positive points:

1. Loading feedback gives users the effect that their action had.
2. Message feedback told the users if their submission did well or not.

Negative points:

1. some pages have no feedback when it's loading.
2. There is no feedback showing the reason of the error.

Rating: (3/5)

PayPal - Google Chrome  about:blank

Organisation (optional)

Show your details on the [Supporters page](#)

Choose a payment method

PayPal

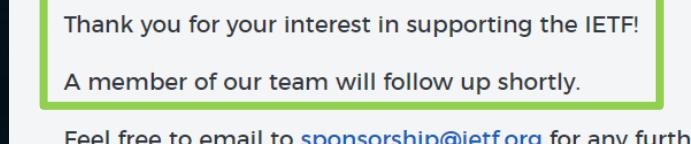


Document Search  IETF Mail List Archives Search  IETF | Internet Engineering Task Force

mailarchive.ietf.org/arch/search/?q=hello



Forms > [IETF Forms](#)



I E T F®

Thank you for your interest in supporting the IETF!

A member of our team will follow up shortly.

Feel free to email to sponsorship@ietf.org for any further information.

Your donation

Make it monthly

\$10	\$20	\$50	\$100
\$250	\$500	-5	

IETF Endowment

Total

Donor details for your receipt

df23456789cvb52

852

852

dfghj

Show your details on the [Supporters page](#)

Choose a payment method

PayPal

Debit or Credit Card



8- Recovery

The site has some methods that enable users to recover from their actions, errors, and mistakes quickly and effectively.

Positive points:

1. In case of entering a page of the search results by mistake and got back to the previous page (the result page), the search text and results remain the same.
2. In case of the email is not correct or empty, once the credit card button is clicked, The field turns to red and allow user to re-edit or enter the data without deleting the other entered date.

Negative points:

1. When a faulty data is entered to the amount field, the whole page get crashed without any way re-edit it.
2. When the user leaves the page without completely donating, there is no alert message to notify him that the transaction is not completed.

Rating: (3/5)

1

Home

Search results for www.ietf.org

The search results below include information from the primary public-facing website of the IETF.

The global coordination of the DNS Root [Go](#)

[IANA](#)
The global coordination of the DNS Root, IP addressing, and other Internet protocol resources is performed as the Internet Assigned Numbers Authority (IANA) functions.

[version 2019-05-22 of the Tao of the IETF](#)
version 2019-05-22 of the Tao of the IETF

[Home](#) > [IETF Endowment](#)

Donate to the IETF Endowment

Help sustain the mission of the IETF for the long-term as it fosters and produces technical standards that improve how the global Internet is developed, used, and managed.

1

Donate to the IETF Endowment

\$10 \$20 \$50 \$100
\$250 \$500 -800

Make it monthly

Your donation

IETF Endowment	\$-800
Total	\$-800

Donor details for your receipt

mm@F
mm
mm
Organisation (optional)

Show your details on the [Supporters page](#)

Choose a payment method

[PayPal](#)

Debit or Credit Card

Powered by PayPal

There was an error processing your payment

Error: /v2/checkout/orders returned status 422 (Corr ID: f40868908da55).
{"name": "UNPROCESSABLE_ENTITY", "details": [{"field": "/purchase_units/@reference_id=='default' /amount/value", "value": "-800", "issue": "CANNOT_BE_ZERO_OR_NEGATIVE", "description": "Must be greater than zero. If the currency supports decimals, only two decimal place precision is supported."}], "message": "The requested action could not be performed, semantically incorrect, or failed business validation.", "debug_id": "f40868908da55", "links": [{"href": "https://developer.paypal.com /docs/api/orders/v2/#error-CANNOT_BE_ZERO_OR_NEGATIVE", "rel": "information_link", "method": "GET"}]}

Please try again later

Donate to the IETF Endowment

\$10	\$20	\$50	\$100
\$250	\$500	200	<input type="button" value="Other amount"/>

Make it monthly

Your donation

IETF Endowment	\$200
Total	\$200

Donor details for your receipt

abdelrhman
sss
ss
Organisation (optional)

Show your details on the [Supporters page](#)

Choose a payment method

PayPal
<input type="button" value="Debit or Credit Card"/>

Powered by [PayPal](#)

2

2

Donate to the IETF Endowment

\$10	\$20	\$50	\$100
\$250	\$500	Other amount	<input type="button" value=""/>

Make it monthly

Your donation

IETF Endowment	\$10
Total	\$10

Donor details for your receipt

a235432@gmail.com
fds
Last Name
Organisation (optional)

Show your details on the [Supporters page](#)

Choose a payment method

<input type="button" value="Debit or Credit Card"/>

ietf.org/endowment/donate-ietaf-endowment/
IETF ENDOWMENT
[IETF Endowment](#)
[supporters](#)
[Donate to the IETF Endowment](#)

9- Constraints

The website has some rules to make sure that users don't try to do anything inappropriate.

Positive points:

1. The system doesn't accept invalid inputs in donate form.
2. A payment method form in the donate doesn't accept input unreal information.

Negative points:

1. That error message that comes while donating It's not understandable to users.
2. when the user submits the form without completing his information there is no message telling him to complete it (Just reloading the page).

Rating: (3/5)

\$10	\$20	\$50	\$100
\$250	\$500	-5	

Make it monthly

Your donation

IETF Endowment	\$-
Total	\$-

Donor details for your receipt

df23456789cvb52
852
852
dfghj

Show your details on the [Supporters page](#)

Choose a payment method

PayPal

Debit or Credit Card

[Home](#) > [IETF Endowment](#)

Donate to the IETF Endowment

Help sustain the mission of the IETF for the long-term as it fosters and produces technical standards that improve how the global Internet is developed, used, and managed.

There was an error processing your payment

```
Error: /v2/checkout/orders returned status 422 (Corr ID: f250517c3794f).
{"name": "UNPROCESSABLE_ENTITY", "details": [
    {"field": "/purchase_units/@reference_id", "value": "-56", "issue": "CANNOT_BE_ZERO_OR_NEGATIVE"}, ...
    {"message": "The requested action could not be performed, semantically incorrect, or failed business validation.", "debug_id": "f250517c3794f", "links": [
        {"href": "https://developer.paypal.com/docs/api/orders/v2/#error-CANNOT_BE_ZERO_OR_NEGATIVE", "rel": "information_link", "method": "GET"}]}]
```

Please try again later

[IETF ENDOWMENT](#)
[IETF Endowment](#)
[Supporters](#)
[Donate to the IETF Endowment](#)

Contact the IETF Development team

Thank you for your interest in supporting the IETF. Please share some information below and we will follow up shortly.

There were some errors with your form. Please amend the fields highlighted below.

Your name *

abdelaahman

Organizational affiliation

bue

This field is optional, but helpful if you are contacting us on behalf of your organization.

Your email *

wertyu123@wervbn.gh

Phone number

• This field is required.

Which areas are you interested in supporting? *

- IETF Endowment
- Meeting Sponsorship
- Outreach Programs
- Operating Support
- Other

Is there anything else you would like to share? *

(optional)

Submit

Billing address

First name
852

Last name
852

Street address

Apt., ste., bldg.

City

State

ZIP code
45444

Mobile
+1 (112) 2

Enter a valid phone number
wertyuikjh

Ship to billing address

Shipping address

First name

Last name

First name

Last name

10- Flexibility

Allow different ways for users with different experiences in systems to do the same thing.

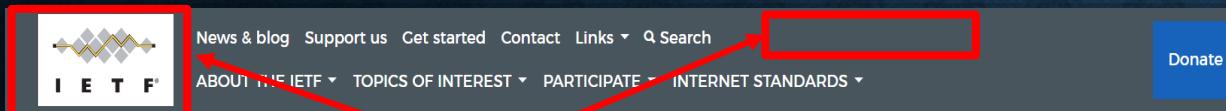
Positive points:

1. Users can reach the same page in several ways like going to the (IETF Area) page from more than one way.
2. Providing different ways to navigate around the site.

Negative points:

1. To contact the IETF developer team there is only one way through (support us).
2. There is no option on the navigation bar to get back to the home page (only by clicking the logo).

Rating: (2.5/5)



Home > About the IETF

Introduction to the IETF

The Internet Engineering Task Force (IETF), founded in 1986, is the premiere standards development organization (SDO) for the Internet.

Quoting from [RFC 3935: A Mission Statement for the IETF](#):

the overall goal of the IETF is to make the Internet work better. Its mission is to produce high quality, relevant technical and engineering documents that influence the way people design, use, and manage the Internet in such a way as to make the Internet work better. These documents include protocol standards, best current practices, and informational documents of various kinds.

Legacy Bequest

If you are considering leaving a bequest to IETF in your will, we encourage you to let us know. We would be pleased to help with any information you may need to complete paperwork, and happy to discuss through ways to designate that gift to represent your wishes most impactfully. Please contact our Director of Development Lee-Berkeley Shaw.

Contact the IETF Development team

Contact the IETF Development team for more information about how you can support open Internet standards.

[Connect now](#)



Home > About the IETF > Groups

Internet Engineering Steering Group

The Internet Engineering Steering Group (IESG) is responsible for the management of IETF activities and oversees the IESG process.

[IETF Areas](#)

[Working Group keywords](#)

The IESG administers the process according to the rules and procedures that have been ratified by the [Internet Society](#) trustees [RFC 2026]. It is directly responsible for the actions associated with entry into and movement along the Internet "standards track," including final approval of specifications as Internet Standards.

The IESG consists of the [Area Directors](#) (ADs) who are selected by the [Nominations Committee](#) (NomCom) and are appointed for two years. The process for choosing the members of the IESG is detailed in RFC 7437, "IAB and IESG Selection, Confirmation, and Recall Process: Operation of the Nominating and Recall Committees."

General

[Members](#) | [Areas](#) | [Directorates & Review Teams](#) | [Process Experiments](#) | [IESG Wiki](#) | [IESG Conflict of Interest Policy](#)

GROUPS

[Internet Engineering Steering Group](#)

[Internet Architecture Board](#)

[Internet Research Task Force](#)

[Directories](#)

[Nominating Committee](#)

[IETF Trust](#)

[Tools Team](#)

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Donate



Support the IETF

The IETF relies on a variety of support to ensure its work remains open, accessible, and available to anyone around the world.

The Internet Engineering Task Force (IETF) is the premiere Internet standards body that creates open protocols to ensure that the global Internet is built on the highest-quality technical standards. These standards, shaped by rough consensus and informed by running code, are developed by leading engineering and technical experts from around the world, acting in their individual capacities. IETF processes are open and transparent, and IETF standards are freely available to anyone.

Standards and protocols developed at the IETF provide a core framework for today's online world. Everything from video conferencing, to email, to cloud storage is built on standards developed in the IETF community. In short, our work makes the Internet work better.

Be a part of ensuring a global Internet for all by offering your support to the IETF today! You can review our gift acceptance policy for additional information.

[HOME](#)
[About the IETF](#)
[Topics of interest](#)
[Participate](#)
[Internet standards](#)

2

11- Style

The website is not designed to be attractive and stylish enough.

Positive points:

1. The background is blurred to direct the user's attention to the main information(Contrast).
2. The titles are written in a bold font with a different colour and quotes in italic font to mainly highlight them.
3. Donate form is stylish and attractive to motivate people to donate

Negative points:

1. The website's colours are not balanced very correctly as the colour of Donate button isn't suitable for the navigation bar colour.
2. The navigation bar is kind of crowded and not stylish.
3. The search boxes are not aligned correctly.
4. Some forms have no style.

Rating: (2/5)



News & blog Support us Get started Contact Links ▾ Search

ABOUT THE IETF ▾ TOPICS OF INTEREST ▾ PARTICIPATE ▾ INTERNET STANDARDS ▾

Donate

1

1

3

Search the IETF email archive

Much of the daily work of the IETF is conducted on electronic mailing lists. A new mail archive tool realizing the requirements developed in [RFC 6778](#) is now in use:

Search the email archive

Search IETF Datatracker

The IETF Datatracker contains data about IETF documents, working groups, meetings, agendas, minutes, presentations, and more:

Search datatracker

1

2

Register for IETF 116 today
Join leading technologists from around the world in Yokohama and online from 25-31 March 2023 for an IETF Hackathon and more than 100 technical sessions.

More information

Introduction to the IETF

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Principles

The IETF pursues this mission in adherence to the following cardinal principles:

Open process Any interested person can participate in the work, know what is being decided, and make his or her voice heard on the issue. Part of this principle is our commitment to making our documents, our Working Group mailing lists, our attendance lists, and our meeting minutes publicly available on the Internet.

Donate to the IETF Endowment

Make it monthly

Your donation

IETF Endowment	\$10
Total	\$10

Donor details for your receipt

a235432@gmail.com
fds
gfds
fghjk

Show your details on the [Supporters page](#)

Choose a payment method

IETF ENDOWMENT
IETF Endowment
supporters
[Donate to the IETF Endowment](#)

3

4

Contact the IETF Development team

Thank you for your interest in supporting the IETF. Please share some information below and we will follow up shortly.

There were some errors with your form. Please amend the fields highlighted below.

Your name *

Organizational affiliation

This field is optional, but helpful if you are contacting us on behalf of your organization.

Your email *

Phone number

* This field is required.

Which areas are you interested in supporting? *

IETF Endowment
 Meeting Sponsorship
 Outreach Programs
 Operating Support
 Other

Is there anything else you would like to share? *

(optional)

12- Conviviality

The website provides a number of friendly messages and descriptions. However, some provided messages cannot be sent for normal users.

Positive points:

1. Clear description of each section which is written in a formal and friendly way.
2. Friendly messages

Negative points:

1. Technical information that comes from the server which is not understandable for users.
2. Many technical info are included

Rating: (4.5/5)

Search the IETF email archive

Much of the daily work of the IETF is conducted on electronic mailing lists. A new mail archive tool realizing the requirements developed in [RFC 6778](#) is now in use:

Search the email archive

Go

Understanding the Internet Engineering Task Force

Working Groups

Working Groups are the primary mechanism for development of IETF specifications and guidelines. Working Groups are typically created to address a specific problem or to produce one or more specific deliverables (a guideline, standards specification, etc.).

[See how IETF Working Groups operate](#)

Search IETF Datatracker

The IETF Datatracker contains data about IETF documents, working groups, meetings, agendas, minutes, presentations, and more:

Search datatracker

Go

1

Featured Working Group

[Network Time Protocol](#)

Accurate, precise, and reliable time is an important function relied upon by modern systems, devices, and applications. This requires reliable and accurate network time synchronization over modern IP...

NTP ntp@ietf.org

2

Contact

Get in touch, we would love to hear from you

Contact the IETF Development team

Thank you for your interest in supporting the IETF. Please share some information below and we will follow up shortly.

Your name *

Donate

1

The screenshot shows a web page titled "Donate to the IETF Endowment". The URL in the address bar is "IETF Endowment". The main content area displays a message: "There was an error processing your payment". Below this message is a detailed error response from PayPal:

```
Error: /v2/checkout/orders returned status 422 (Corr ID: f250517c3794f).
{"name": "UNPROCESSABLE_ENTITY", "details": [
    {"field": "/purchase_units/@reference_id==default/amount/value", "value": "-56", "issue": "CANNOT_BE_ZERO_OR_NEGATIVE", "message": "The amount must be greater than zero. If the currency supports decimals, only two decimal place precision is supported."}, {"field": "/purchase_units/@reference_id==default/amount/value", "value": "-56", "issue": "CANNOT_BE_ZERO_OR_NEGATIVE", "message": "The requested action could not be performed, semantically incorrect, or failed business validation."}
], "debug_id": "f250517c3794f", "links": [
    {"href": "https://developer.paypal.com/docs/api/orders/v2/#error-CANNOT_BE_ZERO_OR_NEGATIVE", "rel": "information_link", "method": "GET"}]}
```

At the bottom of the error message box, there is a link: "Please try again later". To the right of the error message box, a red arrow points to the "Donate to the IETF Endowment" link in the sidebar.

IETF ENDOWMENT
IETF Endowment
supporters
[Donate to the IETF Endowment](#)

Scenarios:

Donate

I decided to donate 100\$ in IETF. First, I open the home page via the domain (ietf.org). Click on Donate button on the navigation bar. Then, scrolling down a bit to fully see the donating form.

Choosing the amount of donating from the suggested amounts or writing another amount. It could be seen that it is not possible to write any letter or symbols (Integers only). Plus, it is not possible to enter a negative amount and it does not show any error messages. In the end, I chose to select (200) from the suggested options

Starting by writing the e-mail address (abdelrhman225328@bue.edu.eg). Then, entering the first name and last name. All characters are allowed

It is optional to enter the organization name if there is any, so I left it empty. Choosing the payment method of 2 methods by clicking on one of the two available buttons (Debit or Credit card) or (PayPal).

I chose (Debit or Credit card) and once I hit the button the payment form shows up. Starting by entering the card number, expire date and CVV. Choosing the country by a dropdown menu. Once I chose an Arabic country (Egypt), the whole forms language changes from English to Arabic language.

Entering the First name, the last name, the address, the city, the region, zip code, the phone number and the email address. While I am entering the date I mistakenly forgot on field (Phone number), so It turns to red color shows that it is empty.

There was a checkbox with a label (sending rescript to the credit address) which is checked by default. In case of it is clicked (unchecked), another form comes out in the end of the payment form to enter another address, So I left it as default.

In the end I clicked on the button (Pay Now), another page opened up to enter the payment confirmation code that is sent to my number.

Finally, I entered code correctly and hit enter. A loading circle shows up in an empty white page for a few second before a message come out “Success! thank you for donating” with a button below (Back to home page).

Search for Groups

One of users wanted to know about the different types of groups in IETF. First, I opened the home page (ietf.org). A clear search bar was on the navigation bar. He typed “Groups” In Search bar and clicked on “Go” Button.

A new page is opened with a list of results and the search bar in the top of it . “Groups” was the first result. By clicking on the Groups option The Group page was opened.

When he returns back to the previous page, the search result remains the same and the entered data to search for remain as well.

Filtering News

A user wants to find a specific news that was published between a specific period. He started by opening the home page (ietf.org). Click on “News and blogs” option in the navigation bar.

It took a few seconds to load the page, so there was a circular loading icon that shows it’s loading. Then, News and blogs page open up. There are three input fields for filtering (Topic, Date from, Date to) with a (Filter) button in a different color at the top of the page. Click on topic, a dropdown menu come out. It is connected to the Topic field with a list of topics (All, Internet things, General Areas,).

The user started by selecting the “General” option and clicked on the second field (Date from). He could see that only positive numbers and date formats are allowed (1, 00, 234242, 2/2/2007). Also, by clicking on the calendar icon or the “date from” filed, a calendar shows up to help him to select the required date. (Date to) field was exactly similar (Date from field). Moreover, he specifies the date from 1/1/2020 to 1/1/2022 and clicked on the “Filter” button.

Another page is opened with a clear message come out below the filter (No results for General Area, dates between 2020-01-01 & 2022-12-01, showing latest). Therefore, he decided to change the chosen topic to (All) and click enter, another page was opened with small message come below the filter fields “You have filtered by dates between 2020-01-01 & 2022-12-01” with a list of results of the articles’ titles.

Contacting the IETF development team

Abdullah wanted to contact the IETF development team. First, he opened the website by googling IETF. A list of options was found. He clicked on the first option to open the home page of IETF. By the first look, he could find that there is “Contact” option on the nav-bar. Once he hovered on it, its back ground color changed to be darker to shows that it is clickable option so, he clicked on it.

A new page opened with a clear title (Get in touch, we would love to hear from you). He scrolled down seeking the contact info of the IETF development team. At the end of the page, he found a section with a white background with a clear header (Contact IETF Development team). Also, there was a clear button in dark green color (Contact). Once he clicked on the button, a new page opened with centered form.

The page header is (Contact the IETF Development team) and there was a message below the header (Thank you for your interest in supporting the IETF. Please share some information below and we will follow up shortly). The first field of the form asks for (First name*). He entered his first name “Abdullah”. The second section asked for the “Organizational affiliation” but it was written below that section that (This field is optional, but helpful if you are contacting us on behalf of your organization), so he left it empty. The third field (Your email *) was must, so he entered his email address. The fourth field was (Phone number), he could realize that it is optional since it does not have (*), so he left it empty.

Then, there was a header (Which areas are you interested in supporting? *) and a list of options with checkboxes (IETF Endowment, Meeting Sponsorship, Outreach Programs, Operating Support, Other). He figured out that he can select a number of options, so he chose (Meeting Sponsorship and Outreach Programs).

Lastly, there was a large rectangular field with a label (Is there anything else you would like to share?). It was optional so, he left it empty. Finally, there was a clear dark green button (Submit). A new page is opened that has the logo in the center with a message below *“Thank you for your interest in supporting the IETF! A member of our team will follow up shortly. Feel free to email to sponsorship@ietf.org for any further information”* and there was a large button (Back to home). Once he clicked on it, the home page opened.

Wireframes:

Caching up on IETF 115

More information

Upcoming events

All events

What's new?

All news

Search the IETF email archive

Search the email archive

Search IETF Datatracker

Search datatracker

Understanding the Internet Engineering Task Force

Working Groups

See how IETF working groups operate

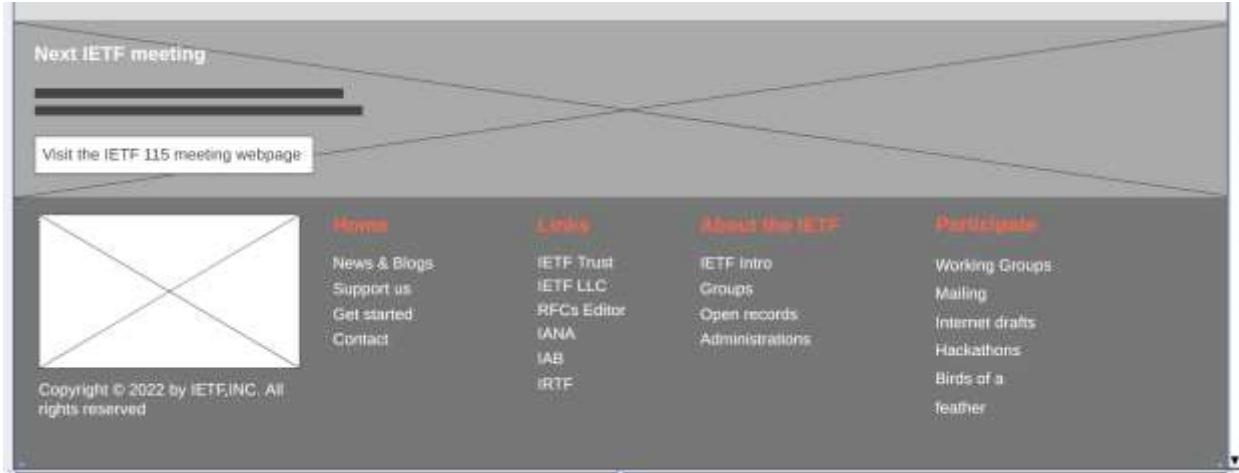
Featured Working Group

Topics of interest

All topics

Next IETF meeting

Visit the IETF 115 meeting webpage



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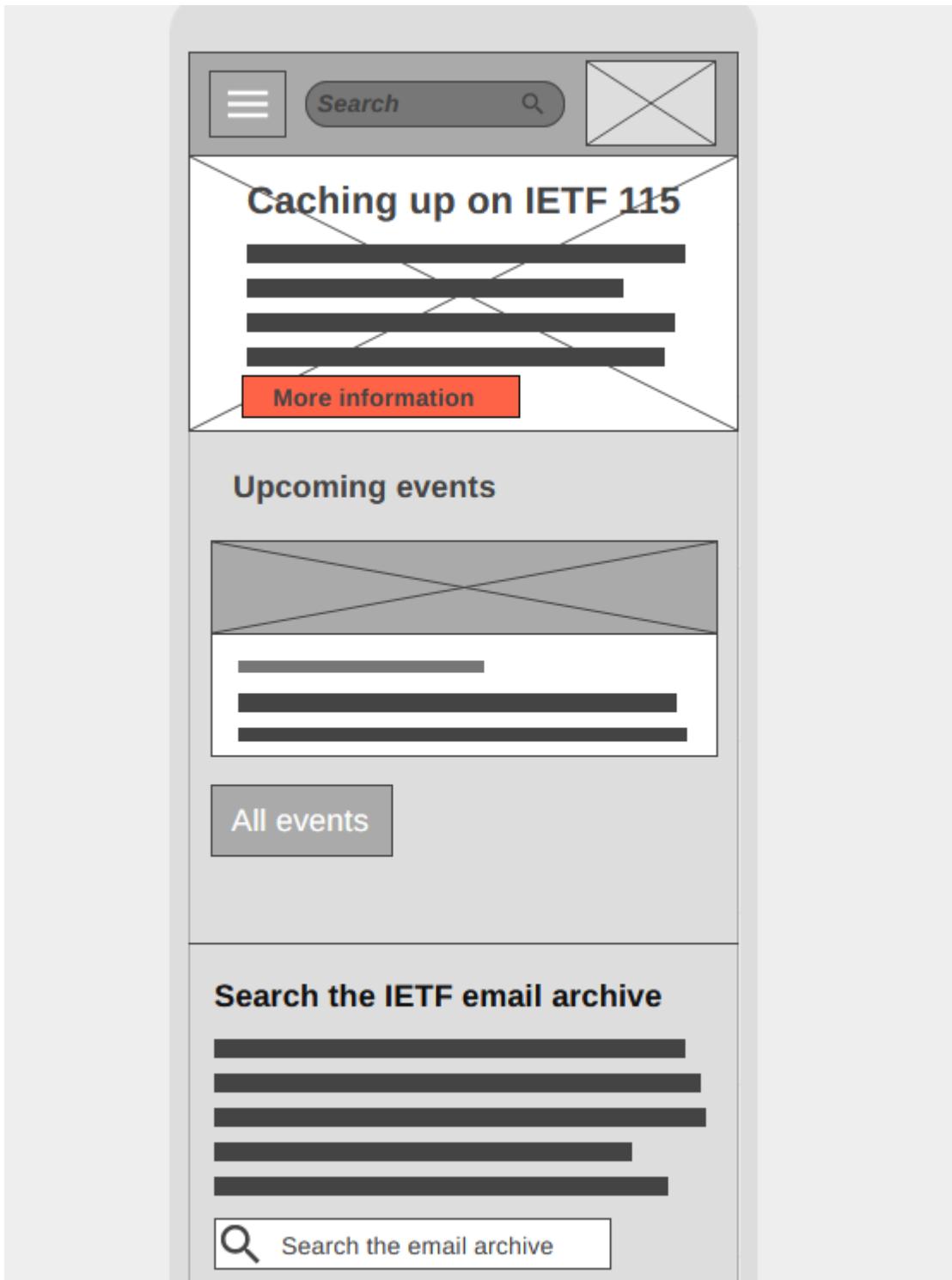
- IETF Intro
- Groups
- Open records
- Administrations

Participate

- Working Groups
- Mailing
- Internet drafts
- Hackathons
- Birds of a feather

<https://wireframe.cc/hNwHP6>

Mobile View



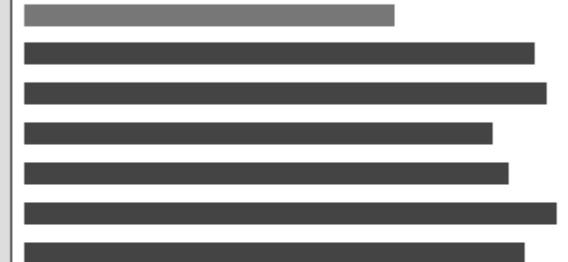
Understanding the Internet Engineering Task Force

Working Groups

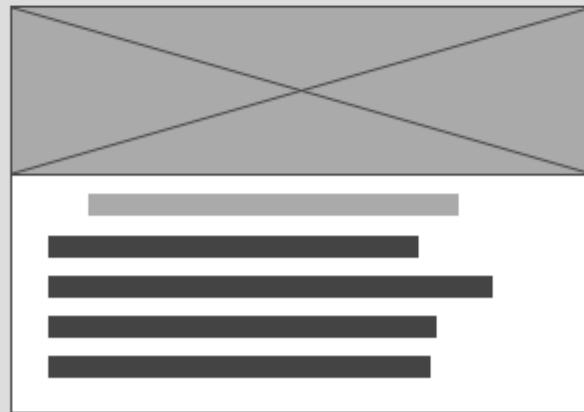


[See how IETF working groups operate](#)

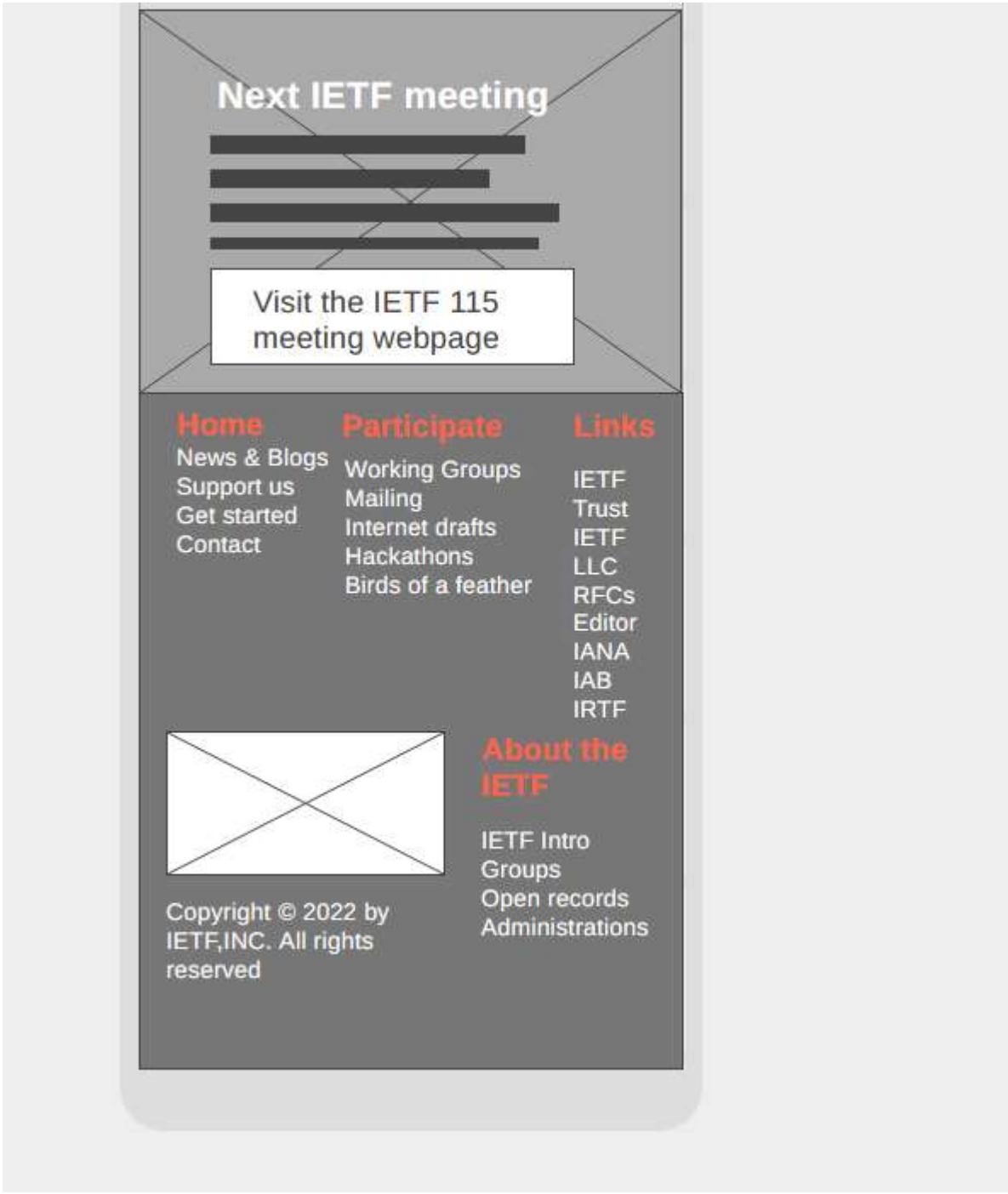
Featured Working Group



Topics of interest

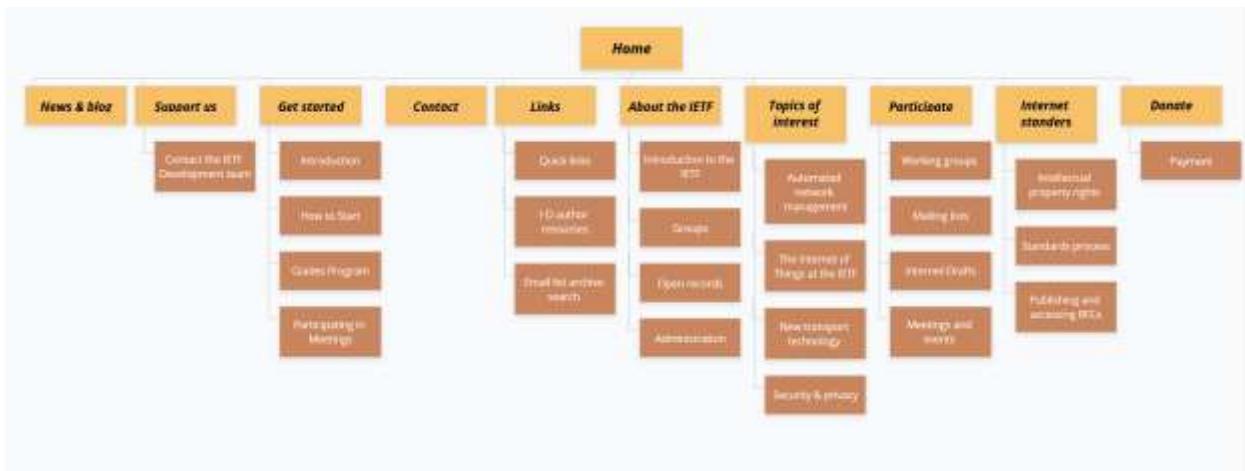


[All topics](#)



<https://wireframe.cc/zkTJxn>

Sitemap:



<https://www.gloomaps.com/W9hR6eYJsE>

Re-design using adobe XD (Desktop View)

Home page

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Register for IETF 116 today
Join leading technologists from around the world in Yokohama and online from 25-31 March 2023 for an IETF Hackathon and more than 100 technical sessions.

[More information](#)

Upcoming Events

 [IETF 116 Yokohama>](#)
IETF 116 starts Saturday 25 March and runs through Friday afternoon, 31 March.
| Yokohama, Japan

 [IETF 117 San Francisco>](#)
IETF 117 starts Saturday 22 July and runs through Friday afternoon, 28 July.
| San Francisco

[All events](#)

What's new ?

[IETF 116 Yokohama registration now open>](#)
Registration is now open for IETF 116 Yokohama
| 24 Nov 2022

[IETF 115 post-meeting survey>](#)
IETF 115 London was held 5-11 November 2022
| 22 Nov 2022

[All News](#)

Search the IETF email archive

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The IETF Datatracker contains data about IETF documents, working groups, meetings, agendas, minutes, presentations, and more:

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Understanding the Internet Engineering Task Force

Working Groups

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[See how IETF working groups operate](#)

Featured Working Group

Network Time Protocol

Accurate, precise, and reliable time is an important function relied upon by modern systems, devices, and applications. This requires reliable and accurate network time synchronization over modern IP...

NTP ntp@ietf.org

Request for Comments (RFCs)

The IETF publishes RFCs authored by network operators, engineers, and computer scientists to document methods, behaviors, research, or innovations applicable to the Internet.

[Learn more about RFCs](#)

Featured RFC

[Network Time Protocol Version 4: Protocol and Algorithms Specification](#)

The Network Time Protocol (NTP) is widely used to synchronize computer clocks in the Internet. This document describes NTP version 4 (NTPv4), which is backwards compatible with NTP version 3 (NTPv3)...

RFC 5905 was: <https://datatracker.ietf.org/doc/draft-ietf-ntp-ntp4proto/>

Topics of interest



[Automated network management](#)

The IETF is working on standards for automated network management which, as the name implies, aims to improve and make more efficient management of networks as they continue to increase in size and complexity.



[The Internet of Things at the IETF](#)

The Internet of Things (IoT) is the network of physical objects or "things" embedded with electronics, software, sensors, actuators, and connectivity to enable objects to exchange data with the manufacturer, operator, and/or other



[New transport technology](#)

The development of new transport technologies in the IETF provides capabilities that improve the ability of Internet applications to send data over the Internet.

[All Topics](#)

Next IETF meeting

Stay tuned for the latest information on the next IETF meeting scheduled for 25-31 March 2023.

[Visit the IETF 116 meeting webpage](#)



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[IETF news](#)

Filter by topic and date

Topic	Date from	Date to	Filter
All	DD/MM/YY	DD/MM/YY	

The Internet and Environmental Impacts

Jari Arkko | IAB Member
Lars Eggert | IETF Chair
Colin Perkins | IRTF Chair

5 Dec 2022

This week the Internet Architecture Board (IAB) holds the E-Impact workshop on the environmental impact of Internet applications and systems. This impact is of course complex, since the Internet has both environmental costs and environmental benefits. The workshop will consider if there is something that we as technologists, and standards makers, can do to reduce these costs or increase the benefits.



The Internet runs on systems that require energy and raw materials to manufacture and operate. It is incumbent on the Internet industry to ensure that this use of resources is minimized and optimized. But the Internet can also act as an enabler for improvements in the rest of the society, such as allowing virtual interaction to replace physical travel. Or, it can also increase consumption of physical goods, for instance, through easing commerce.

The workshop starts with the input from 27 position papers submitted by the participants, covering a diverse set of topics. The goals of the workshop are two-fold. First to improve our understanding by making it possible for a set of experts from diverse fields to talk to each other and better understand the issues. And second, to find out if there are beneficial guidelines or areas of technology/research that we can recommend be further explored in the IETF, Internet Research Task Force (IRTF), or elsewhere.

We look forward to these discussions! Some of our own early observations include:

- There is momentum on this topic, given the increasing awareness of global heating, rising energy prices, and business demand across many fields.
- It is very important to have an accurate understanding of what the environmental impacts are (including greenhouse gas emissions from use, and embodied carbon from manufacture)

[Making new connections at IETF 115](#)

Last month, I had the opportunity to attend my first IETF (Internet Engineering Task Force) meeting. IETF 115, which was held in London. It was a great experience and I was able to learn a lot from the many network specialists in attendance.
Momoka Yamamoto

6 Dec 2022

[IETF 116 Yokohama registration now open](#)

Registration is now open for IETF 116 Yokohama

24 nov 2022

[Opportunities for university researchers and students during IETF 115](#)

The upcoming IETF 115 meeting in London on 5-11 November 2022 is a unique opportunity for networking researchers to learn how RFCs are written, to engage with the Internet standards community to begin to develop research impact, and to meet more than 1,000 leading technologists from around the world currently working in industry, academia, and other organizations.

1 Nov 2022

[Catching up on IETF 115](#)

Recordings are now available for sessions held during the IETF 115 meeting and the IETF Hackathon, where more than 1500 participants gathered in London and online 5-11 November 2022.

13Nov 2022

[Show all](#)

Participation in IAB workshops is by invitation only, but recordings of the discussions are made available afterwards, along with a written report of the discussions and conclusions. The input position papers are already available on the workshop page, and the other material will be

linked from there after the workshop. Presentation materials will be available on the IETF Datatracker.

We hope for some interesting and productive discussions over the coming week!

Share this page



◀ 1 . 2 . 3 . 4 ▶



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Support us

The screenshot shows the IETF website's navigation bar at the top, featuring links for News & blog, Support us, Get started, Contact, Search, and a yellow 'Donate' button. Below the navigation is a secondary menu with Home, About the IETF, Topics of interest, Internet standards, Participate, and Link. The main content area has a breadcrumb trail: Home > Support the IETF. A sub-headline states: "The IETF relies on a variety of support to ensure its work remains open, accessible, and available to anyone around the world." The main text explains the IETF's role in creating open protocols and how standards are developed by leading experts. It also highlights the impact of IETF work on modern online communication. A call-to-action section encourages visitors to support the IETF, mentioning gift acceptance policy. Below this, a link to the Development Department is provided. The 'About the IETF' sidebar on the right lists links to Introduction to the IETF, Groups, Open records, and Administration.

The IETF relies on a variety of support to ensure its work remains open, accessible, and available to anyone around the world.

The Internet Engineering Task Force (IETF) is the premiere Internet standards body that creates open protocols to ensure that the global Internet is built on the highest-quality technical standards. These standards, shaped by rough consensus and informed by running code, are developed by leading engineering and technical experts from around the world, acting in their individual capacities. IETF processes are open and transparent, and standards are freely available to anyone.

Standards and protocols developed at the IETF provide a core framework for today's online world. Everything from video conferencing, to email, to cloud storage is built on standards developed in the IETF community. In short, our work makes the Internet work better.

Be a part of ensuring a global Internet for all by offering your support to the IETF today! You can review our gift acceptance policy for additional information.

Please contact IETF's Development Department for additional information.

Donation of Stock

The IETF would be pleased to accept gifts of stock. Gifts of stock may be directed towards either operating support or the Endowment. If you wish to make other arrangements or would like to request our Stock Donation Instruction Sheet, contact Director of Development Lee-Berkeley Shaw.

Legacy Bequest

If you are considering leaving a bequest to IETF in your will, we encourage you to let us know. We'd be pleased to help with any information you may need to complete paperwork, and happy to talk through ways to designate that gift to represent your wishes most impactfully. Please contact Director of Development Lee-Berkeley Shaw.

you might be interested in

- ➔ Learn about the IETF Endowment
- ➔ See all the financial supporters of the IETF

The footer features the IETF logo, which consists of a stylized diamond pattern above the acronym "I E T F". Below the logo is a copyright notice: "Copyright © 2022 by IETF, INC. All rights reserved".

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Contact

The screenshot shows the IETF website's contact page. At the top is a dark header bar with the IETF logo, search bar, and navigation links: News & blog, Support us, Get started, Contact, Search, and Donate. Below the header is a secondary navigation bar with Home, About the IETF, Topics of interest, Internet standards, Participate, and Link. A breadcrumb trail shows the user is at Home > Contact The IETF. The main content area has a heading "Get in touch, we would love to hear from you". It includes a note about general contact via email and a list of specific contact points under "General". Below this is a section for "Encrypted Email" with instructions on how to send encrypted messages. A large central box contains the heading "Contact the IETF Development team" and a "Contact now" button. The footer contains the IETF logo, links to Home, Links, About the IETF, and Participate sections, and copyright information.

News & blog Support us Get started Contact Search Donate

Home About the IETF Topics of interest Internet standards Participate Link

Home > Contact The IETF

Get in touch, we would love to hear from you

If you do not know where to start or no suitable contact is listed below then please email support@ietf.org.

General

- General inquiries: support@ietf.org
- Media inquiries: media@ietf.org
- Meeting sponsorship: sponsorship@ietf.org
- IETF Endowment: [Director of Development](#)
- IETF Executive Director: exec-director@ietf.org

Encrypted Email

To send encrypted email, you can use our [PGP key](#) and send to the email address in the key (encrypted at ietf dot org.) This is for credit card or other confidential information ONLY; other email must be sent to the appropriate addresses above.

Contact the IETF Development team

Contact the IETF Development team for more information about how you can support open Internet standards.

Contact now

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Donate:

The screenshot shows the IETF Endowment donation page. At the top, there's a navigation bar with links like "News & blog", "Support us", "Get started", "Contact", "Search", and a prominent orange "Donate" button. Below the navigation is a secondary menu with "Home", "About the IETF", "Topics of interest", "Internet standards", "Participate", and "Link". A breadcrumb trail indicates the user is at "IETF Endowment".

Donate to the IETF Endowment

Help sustain the mission of the IETF for the long-term as it fosters and produces technical standards that improve how the global Internet is developed, used, and managed.

Donate to the IETF Endowment

Amount selection boxes: \$10, \$20, \$50, \$100, \$250, \$500, Other amount (with up/down arrows).

Make it monthly

Your donation

IETF Endowment	
Total	

Donor details for your receipt

Email
First Name
Last Name
Organization (Optional)

Show your details on the [Supporters page](#)

Choose a payment method

PayPal

Debit or Credit Card

Powered by [PayPal](#)

IETF logo

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Home: News & Blogs, Support us, Get started, Contact

Links: IETF Trust, IETF LLC, RFCs Editor, IANA, IAB, IRTF

About the IETF: IETF Intro, Groups, Open records, Administration

Participate: Working Groups, Mailing, Internet drafts, Hackathons, Birds of a feather

Donate Error feedback

The screenshot shows a donation form for the IETF Endowment. At the top, there are two red error boxes: one for 'Please, enter a valid email address' and another for 'Please, enter your full name'. Both boxes contain placeholder text 'EX. example@hotmail.com' and 'EX. Basmala Khalid' respectively. To the right of these boxes are links to 'IETF Endowment', 'IETF Endowment supporters', and 'Donate to the IETF Endowment'. Below the error boxes is a section titled 'Donate to the IETF Endowment' with several donation amount buttons (\$10, \$20, \$50, \$100, \$250, \$500, Other amount) and a 'Make it monthly' checkbox. The 'Other amount' field has a dropdown arrow icon. Underneath this is a section titled 'Your donation' with two rows of input fields for 'IETF Endowment' and 'Total'. Below that is a section titled 'Donor details for your receipt' with fields for 'Email', 'First Name', 'Last Name', and 'Organization (Optional)'. A checkbox 'Show your details on the [Supporters page](#)' is also present. At the bottom, there are payment method options: a yellow 'PayPal' button and a dark grey 'Debit or Credit Card' button. A small note 'Powered by PayPal' is located between them. The footer contains the IETF logo, copyright information ('Copyright © 2022 by IETF, Inc. All rights reserved.'), and navigation links for Home, Links, About the IETF, and Participate.

Please, enter a valid email address
EX. example@hotmail.com

Please, enter your full name
EX. Basmala Khalid

IETF Endowment

IETF Endowment supporters

Donate to the IETF Endowment

Donate to the IETF Endowment

\$10 \$20 \$50 \$100

\$250 \$500 Other amount

Make it monthly

Your donation

IETF Endowment	
Total	

Donor details for your receipt

Email !

First Name !

Last Name !

Organization (Optional)

Show your details on the [Supporters page](#)

Choose a payment method

PayPal

Debit or Credit Card

Powered by [PayPal](#)


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Re-design using adobe XD (Mobile View)

Home page

The image shows a mobile-optimized version of the IETF website's home page. At the top, there is a navigation bar with a search field, a 'Go' button, and the IETF logo. A prominent banner at the top encourages users to "Register for IETF 116 today". Below the banner, there is a section titled "Upcoming Events" featuring two cards: one for "IETF 116 Yokohama" and another for "IETF 117 San Francisco". Each event card includes a thumbnail image, a title, a brief description, and a location tag. Below these cards is a "All events" button. Further down, there is a "What's new?" section with two news items: one about "IETF 116 Yokohama registration now open" and another about "IETF 115 post-meeting survey". Each news item includes a date tag. At the bottom, there is a "All news" button.

Register for IETF 116 today

Join leading technologists from around the world in Yokohama and online from 25-31 March 2023 for an IETF Hackathon and more than 100 technical sessions.

More information

Upcoming Events

IETF 116 Yokohama >

IETF 116 starts Saturday 25 March and runs through Friday afternoon, 31 March.

| Yokohama, Japan

IETF 117 San Francisco >

IETF 117 starts Saturday 22 July and runs through Friday afternoon, 28 July.

| San Francisco

All events

What's new?

IETF 116 Yokohama registration now open >

Registration is now open for IETF 116 Yokohama

| 24 Nov 2022

IETF 115 post-meeting survey >

IETF 115 London was held 5-11 November 2022

| 22 Nov 2022

All news

Much of the daily work of the IETF is conducted on electronic mailing lists. A new mail archive tool realizing the requirements developed in [RFC 6778](#) is now in use:

Search the email archive

Go

Search IETF Datatracker

The IETF Datatracker contains data about IETF documents, working groups, meetings, agendas, minutes, presentations, and more:

Search datatracker

Go

Understanding the Internet Engineering Task Force

Working Groups

Working Groups are the primary mechanism for development of IETF specifications and guidelines. Working Groups are typically created to address a specific problem or to produce one or more specific deliverables (a guideline, standards specification, etc.).

[See how IETF working groups operate](#)

Featured Working Group

Network Time Protocol

Accurate, precise, and reliable time is an important function relied upon by modern systems, devices, and applications. This requires reliable and accurate network time synchronization over modern IP...

NTP ntp@ietf.org

Request for Comments (RFCs)

The IETF publishes RFCs authored by network operators, engineers, and computer scientists to document methods, behaviors, research, or innovations applicable to the Internet.

[Learn more about RFCs](#)

Topics of interest



Automated network management

The IETF is working on standards for automated network management which, as the name implies, aims to improve and make more efficient management of networks as they continue to increase in size and complexity.



The Internet of Things at the IETF

The Internet of Things (IoT) is the network of physical objects or "things" embedded with electronics, software, sensors, actuators, and connectivity to enable objects to exchange data with the manufacturer, operator, and/or other connected devices.



New transport technology

The development of new transport technologies in the IETF provides capabilities that improve the ability of Internet applications to send data over the Internet.

[All topics](#)

Next IETF meeting

Stay tuned for the latest information on the next IETF meeting scheduled for 25-31 March 2023.

[Visit the IETF 116 meeting webpage](#)

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News and blogs

The IETF logo consists of a stylized diamond pattern above the acronym "I E T F".

[Blog listing](#) 

[Show filters](#) 

The Internet and Environmental Impacts

Jari Arkko | IAB Member
Lars Eggert | IETF Chair
Colin Perkins | IRTF Chair

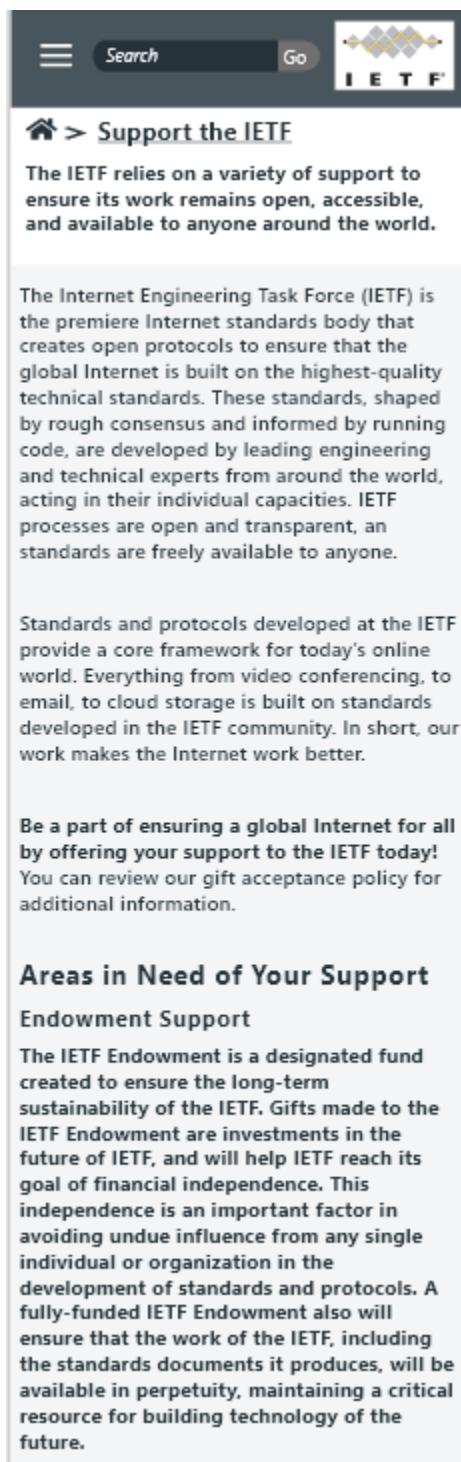
5 Dec 2022

This week the Internet Architecture Board (IAB) holds the E-Impact workshop on the environmental impact of Internet applications and systems. This impact is of course complex, since the Internet has both environmental costs and environmental benefits. The workshop will consider if there is something that we as technologists, and standards makers, can do to reduce these costs or increase the benefits.



The Internet runs on systems that require energy and raw materials to manufacture and operate. It is incumbent on the Internet industry to ensure that this use

Support us



The screenshot shows the IETF website's "Support the IETF" page. At the top, there is a navigation bar with a search field and a "Go" button, followed by the IETF logo. Below the navigation bar, the page title is "Support the IETF". A sub-navigation breadcrumb shows "Home > Support the IETF". A main text block explains the IETF's mission to ensure open, accessible, and available work. Another text block discusses how IETF standards provide a core framework for modern technology. A call-to-action section encourages support and provides a gift acceptance policy link. Finally, a section titled "Areas in Need of Your Support" details the IETF Endowment's purpose and benefits.

The IETF relies on a variety of support to ensure its work remains open, accessible, and available to anyone around the world.

The Internet Engineering Task Force (IETF) is the premiere Internet standards body that creates open protocols to ensure that the global Internet is built on the highest-quality technical standards. These standards, shaped by rough consensus and informed by running code, are developed by leading engineering and technical experts from around the world, acting in their individual capacities. IETF processes are open and transparent, and standards are freely available to anyone.

Standards and protocols developed at the IETF provide a core framework for today's online world. Everything from video conferencing, to email, to cloud storage is built on standards developed in the IETF community. In short, our work makes the Internet work better.

Be a part of ensuring a global Internet for all by offering your support to the IETF today! You can review our gift acceptance policy for additional information.

Areas in Need of Your Support

Endowment Support

The IETF Endowment is a designated fund created to ensure the long-term sustainability of the IETF. Gifts made to the IETF Endowment are investments in the future of IETF, and will help IETF reach its goal of financial independence. This independence is an important factor in avoiding undue influence from any single individual or organization in the development of standards and protocols. A fully-funded IETF Endowment also will ensure that the work of the IETF, including the standards documents it produces, will be available in perpetuity, maintaining a critical resource for building technology of the future.

Contact

The screenshot shows the IETF Contact page. At the top is a header with a search bar, a menu icon, and the IETF logo. Below the header, a breadcrumb trail reads "Home > Contact The IETF". A sub-header says "Get in touch, we would love to hear from you". A note in bold states: "If you do not know where to start or no suitable contact is listed below then please email support@ietf.org".

General

- General inquiries: support@ietf.org
- Media inquiries: media@ietf.org
- Meeting sponsorship: sponsorship@ietf.org
- IETF Endowment: [Director of Development](#)
- IETF Executive Director: exec-director@ietf.org

Legal, Conduct and Complaints

- To report a copyright infringement: [Copyright infringement](#)
- To request an authenticated document or to serve a subpoena, see our [legal requests procedures](#)
- To report/discuss an issue of conduct by a community participant or community leader: [Ombudsteam](#)
- To report/discuss an issue of conduct by a member of the IETF Administration LLC Board, staff or a contractor: [IETF LLC Whistleblower Hotline](#)
- For all other complaints, contact the IETF Executive Director: exec-director@ietf.org

Contact the IETF Development team

Contact the IETF Development team for more information about how you can support open Internet standards.

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Donate

The screenshot shows the "Donate to the IETF Endowment" page. At the top, there's a navigation bar with a search field and a "Go" button, followed by the IETF logo. Below the header, a breadcrumb trail reads "Home > IETF Endowment". The main title is "Donate to the IETF Endowment". A text block explains the mission of the IETF: "Help sustain the mission of the IETF for the long-term as it fosters and produces technical standards that improve how the global Internet is developed, used, and managed." Below this, a section titled "Donate to the IETF Endowment" contains several input fields for selecting a donation amount: "\$10", "\$20", "\$50", "\$100", "\$250", "\$500", and "Other amount". There's also a checkbox for "Make it monthly". A "Your donation" section has two empty tables: one for "IETF Endowment" and one for "Total". The "Donor details for your receipt" section includes fields for "Email", "First Name", "Last Name", and "Organization (Optional)". A checkbox allows users to "Show your details on the [Supporters page](#)". The "Choose a payment method" section offers "PayPal" and "Debit or Credit Card" options, both powered by PayPal. At the bottom, a footer menu includes links to Home, Participate, and Links categories like Working Groups, IETF Trust, Mailing, IETF LLC, Internet drafts, RFCs Editor, Hi donations, IANA, Birds of a feather, IAB, and IETF. The footer also features the IETF logo, copyright information ("Copyright © 2002 by IETF-NC. All rights reserved"), and links to "About the IETF", "IETF Info", "Groups", "Open records", and "Administrations".

Donate Error feedback

The screenshot shows a donation form for the IETF Endowment. At the top, there are two red error boxes:

- Please, enter a valid email address**
EX. example@hotmail.com
- Please, enter your full name**
EX. Basmala Khalid

Below these, the donation amount is set to \$250. There is a checkbox labeled "Make it monthly".

Your donation

IETF Endowment	
Total	

Donor details for your receipt

Email	(i)
First Name	(i)
Last Name	(i)
Organization (Optional)	

Show your details on the [Supporters page](#)

Choose a payment method

PayPal

Debit or Credit Card

Powered by PayPal

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Contact Hackathons IANA
 Ideas of a further IAB
 IRTF

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Evaluation

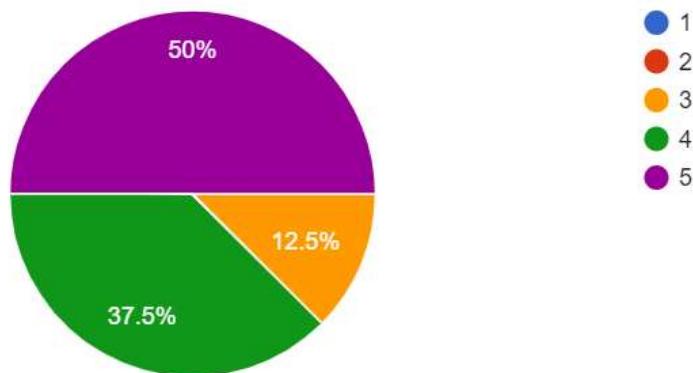
- Nielsen's Rules Survey.

Method:

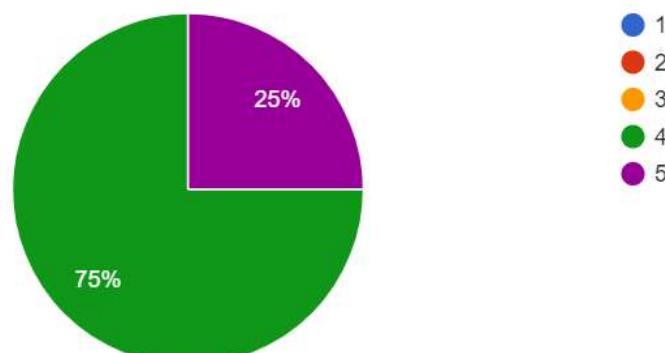
A survey was made between 8 seniors of ICS students to evaluate the new design (Rate from 1 to 5) according to the 10 rules of Nielsen.

Findings:

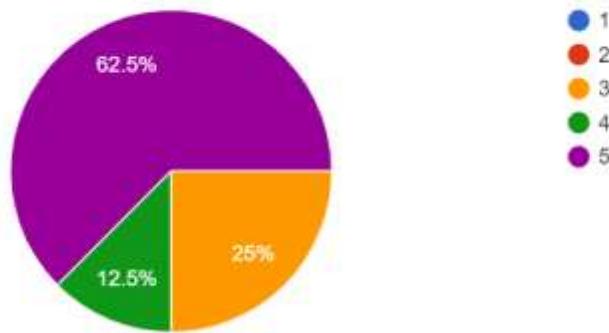
Q1. Providing clear feedback when there is an invalid data entered in the donate form.



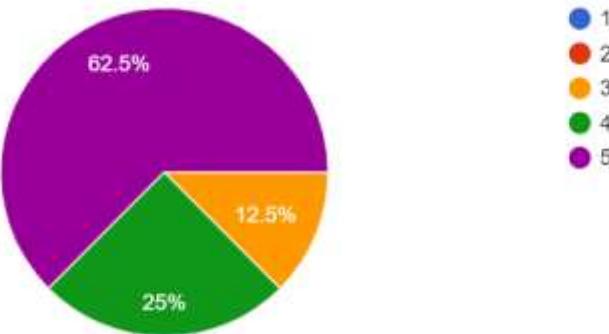
Q2. How easy is it to find (Donate page, Contact IETF development team, Privacy page)?



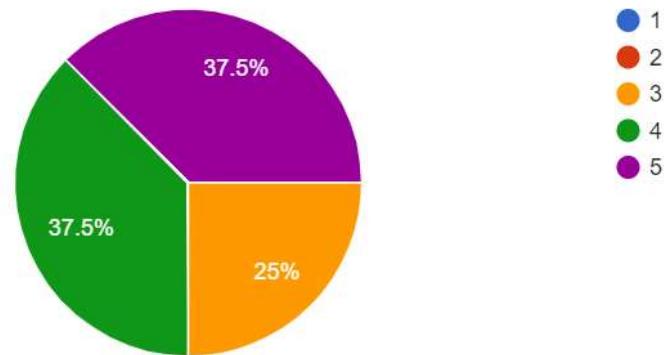
Q.3 How clear is it to use (Search the IETF email archive) via its icons.



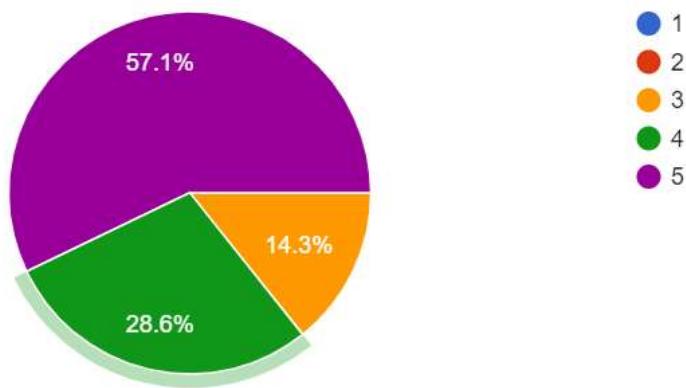
Q4. how easy is it to search for whatever you want and filter the results?



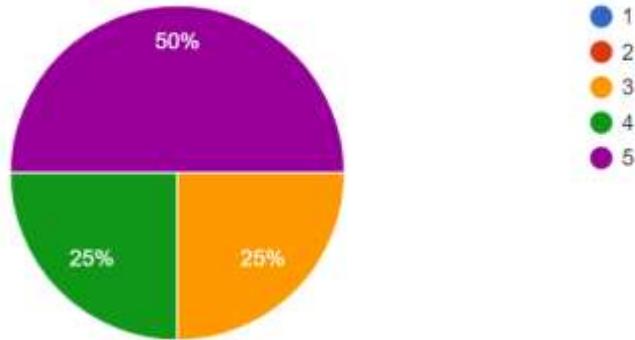
Q.5 How far do you think that the website is consistent (Same view for all pages)



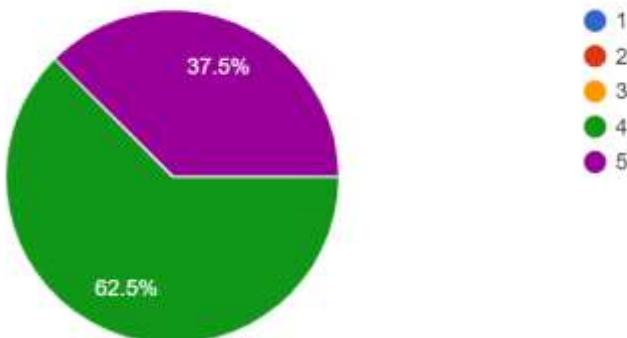
Q.6 The rule of submitting the form of donate is clear to follow and allow re-inserting



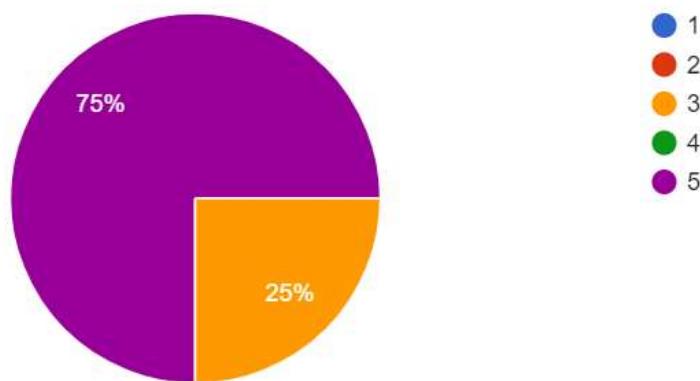
Q.7 The instruction of filling the contact form is clear and easy to follow



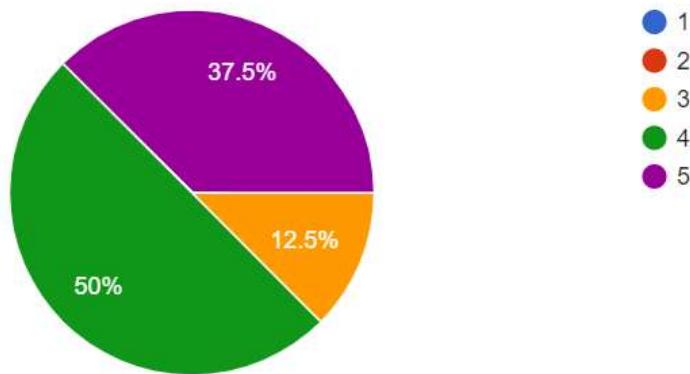
Q.8 How easy is it to navigate through the site



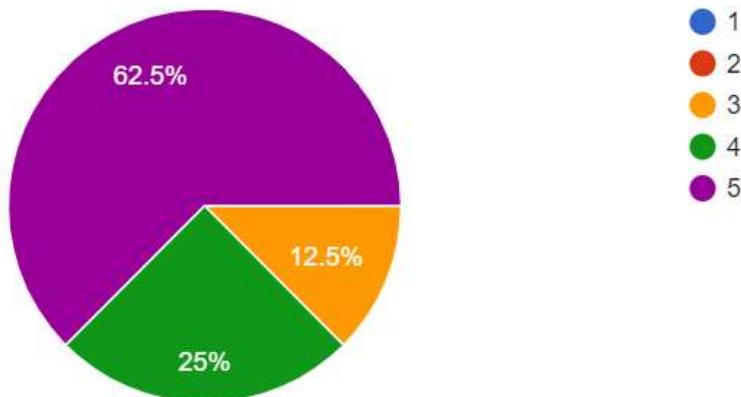
Q.9 The website language is understandable and friendly to users.



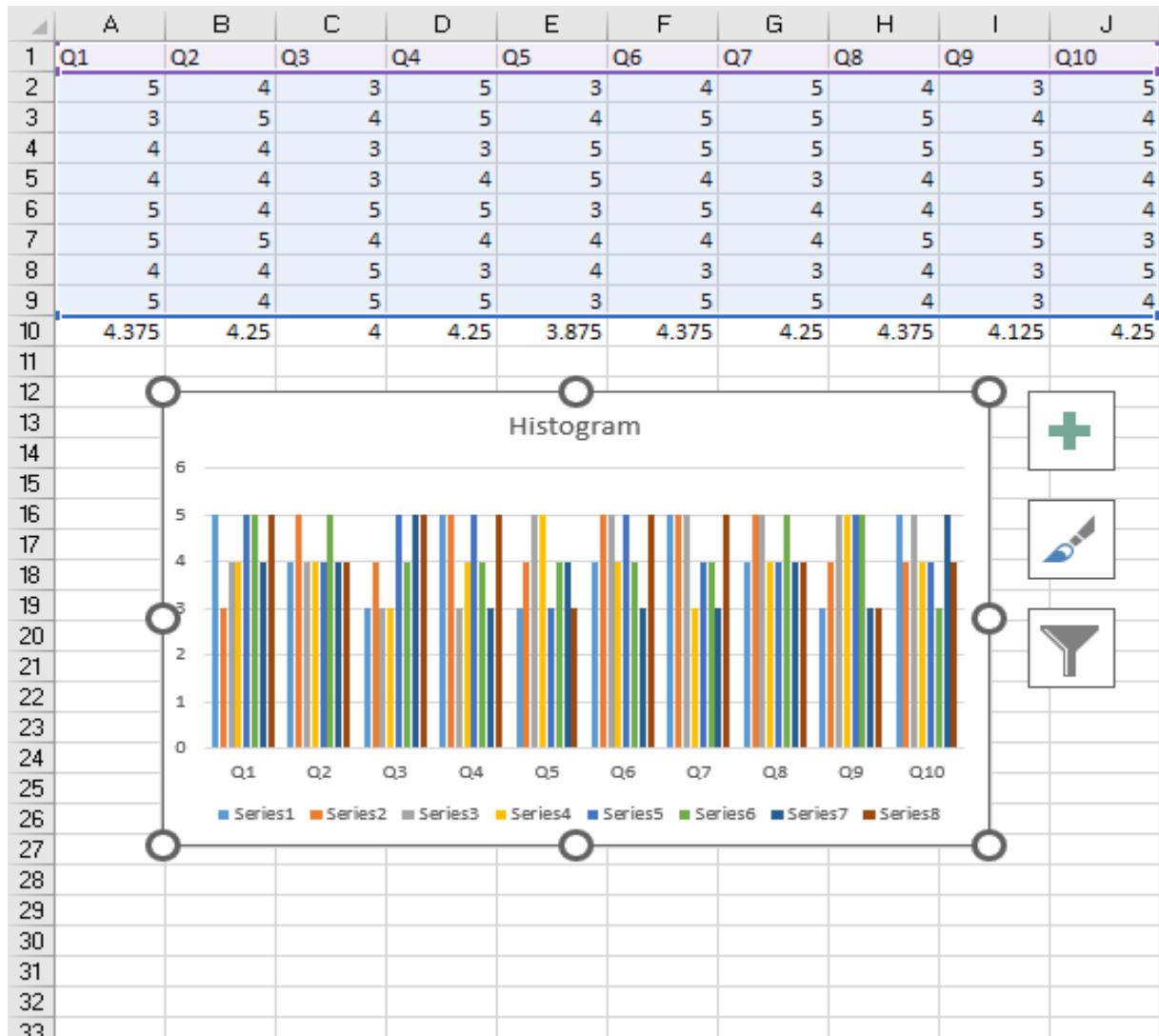
Q.10 The error messages are clear und understandable to users.



Q.11 The error messages are clear und understandable to users. and it gives clear examples.



Histogram with comments



It could be seen that system visibility has been improved. For example, the donate functionality was easy to be found since the average rating was 4.3 out of 5. Similarly, the other functions such as Filtering news and contact was easy to reach.

Moreover, some existed functions in the home page were quite usable since their icons were pretty familiar. For Instance, the rating average of familiarity was 4 out of 5. Also, the given feedback was clear and understandable.

Conclusion

The usability of the website is the main key of its success as it measures the extent to which a product can be used by specified users to achieve specified goals with effectiveness, efficiency and satisfaction in a specified context of use. In order to evaluate the usability of the website, the website was analyzed according to the PACT analysis to determine how things should be designed according to different factors. Moreover, in order to understand the mental model, a survey was made to gather as many views as possible. Also, the website design was evaluated according to the 12 principles of design.

After the analysis stages has been done successfully, the redesigning had started over. First, the sitemap and wireframe have been created to give an overview of the new design. Moreover, the actual redesign was made using adobe XD according to the results of the analysis part. Lastly, a number of scenarios of the existed functions were created to shows some examples of how things work in different mental model.

Finally, the evaluation of the new design was made to re-measure the usability and progress according to the ten rules of Nelsen. Another survey was made targeting 8 students of ICS who have a good experience of designing. It could be seen that there was a great impact on the usability of the website so that it become more visible, understandable, friendly and easy to use.