Usability of Open Source Software
WHAT IS USABILITY?

▷ Real people can do real tasks in a realistic amount of time
HOW TO CONDUCT A USABILITY TEST?
Personas

▷ How to choose your testers?
▷ How many testers?
Scenario Tasks

▷ What are scenario tasks?
▷ How many tasks?
Testing

▷ Tools
▷ Pre-test
▷ Preparations
▷ Testing process
▷ After the test
RESULTS

▷ Formal paper
▷ Shorter semi-formal paper
▷ Live presentation
▷ Bug trackers
Visualisations

Task completion time

- Current design
- New design mockup

<table>
<thead>
<tr>
<th>Round</th>
<th>Current design</th>
<th>New design mockup</th>
</tr>
</thead>
<tbody>
<tr>
<td>Round 1</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Round 2</td>
<td></td>
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<tr>
<td>Round 3</td>
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<td>Round 4</td>
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<tr>
<td>Round 5</td>
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</tbody>
</table>

Thunderbird Usage

<table>
<thead>
<tr>
<th></th>
<th>Users</th>
</tr>
</thead>
<tbody>
<tr>
<td>Daily</td>
<td>2</td>
</tr>
<tr>
<td>Occasionally</td>
<td>3</td>
</tr>
<tr>
<td>Never</td>
<td>5</td>
</tr>
<tr>
<td></td>
<td>P1</td>
</tr>
<tr>
<td>---</td>
<td>----</td>
</tr>
<tr>
<td>1. Download I2P</td>
<td>G</td>
</tr>
<tr>
<td>2. Install I2P</td>
<td>Y</td>
</tr>
<tr>
<td>3. Adjust your bandwidth settings</td>
<td>Y</td>
</tr>
<tr>
<td>4. Setup browser to use I2P proxy to reach websites</td>
<td>R</td>
</tr>
<tr>
<td>5. Connect to your favorite website</td>
<td>Y</td>
</tr>
<tr>
<td>6. Say hi on #i2p IRC channel</td>
<td>-</td>
</tr>
<tr>
<td>New Design</td>
<td>Old Design</td>
</tr>
<tr>
<td>------------</td>
<td>------------</td>
</tr>
<tr>
<td><strong>1. Change the font and the font size</strong></td>
<td>G G G G Y G G G G R Y</td>
</tr>
<tr>
<td><strong>2. Check if Thunderbird is updated</strong></td>
<td>Y R R Y G Y R Y R R</td>
</tr>
<tr>
<td><strong>3. Change default search engine</strong></td>
<td>G G G Y Y G G G G Y</td>
</tr>
<tr>
<td><strong>4. Enable spell check</strong></td>
<td>Y R R Y G R Y Y R R</td>
</tr>
<tr>
<td><strong>5. Enable Master Password</strong></td>
<td>Y Y Y Y G R G G R B</td>
</tr>
<tr>
<td><strong>6. Disable sound notifications</strong></td>
<td>R R Y G Y Y Y R R B G</td>
</tr>
<tr>
<td><strong>7. Change the timezone</strong></td>
<td>R Y Y G Y R B G G R</td>
</tr>
</tbody>
</table>
Design improvements

Thunderbird now contains calendaring functionality by integrating the Lightning extension.
First prototype

Add a Contact

Give this link to your contact:

briar://yrv6oprd6jbzorq4qx7hr
fjbmrrud3enw3sljebt3xupvr5gti
ruhbafawy5cz4fsrptdcb3mjkaqz
wd5opx67khszb37rvr2eftsrmte
zzpuqe5sywppexlfmudd

COPY  SHARE  QR CODE

Your contact's link

PASTE  SCAN CODE

Give contact a nickname

ADD CONTACT

Second prototype

Add Contact Remotely

Give this link to the contact you want to add:

briar://7iq62lj3efqryjxb5ag32
gsaqdf6djc2onwx5nv3brwvb5y5pd
khf5lnop5tq41vdav7zh6xopwkm
kacoq7mdxoc72ioq6aixdqwxjtjzp2
m76t2b5tt5b756ecxa3r

COPY  SHARE

Enter the link from your contact here

dqwxtjzp2m76t2b5tt5b756ecxa3r

Enter your contact's link

1  Exchange links  2  Choose Nickname

Give your contact a nickname! Only you can see it.

Choose a nickname

ADD CONTACT
Revision

✓ What is usability
✓ Why are usability and usability testing important
✓ How to conduct a usability test
✓ How to present the results
THANKS!

Any questions?

You can find me at:
@RenataGegaj

Useful links

https://renatagegaj.wordpress.com/
https://ura.design/projects/i2p
https://ura.design/projects/thunderbird
https://code.briarproject.org/briar/briar/issues/1235