# Interacting with a Transparent Display Tablet

## Tracing (squarebob, architectural plane)

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| Can you think of any real-world situations where you find yourself copying or drawing a physical object? |
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| The traditional alternative is to take a picture and trace it on the computer. What are the strengths and weaknesses of each approach? Are there particular tasks, situations or users for which one is better than the other? |
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| Do you have any particular thoughts or suggestions on how to improve a tPad tracing application? |
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## Querying (rule, graph explorer)

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| Can you think of any real-world situations where you find yourself querying a physical object? |
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| The traditional alternative is to take use a ruler, guessing a graph’s value or using the interactive version on a computer. What are the strengths and weaknesses of each approach? Are there particular tasks, situations or users for which one is better than the other? |
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| Do you have any particular thoughts or suggestions on how to improve tPad querying applications? |
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## Flipping

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| Can you think of any real-world situations where you would find yourself flipping mobile devices? |
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| Traditional alternatives include clicking the home button of the device once to see the home screen, or clicking it twice to see the bar of currently running apps. What are the strengths and weaknesses of each approach? Are there particular tasks, situations or users for which one is better than the other? |
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| Do you have any particular thoughts or suggestions on how to improve flipping of tPads? |
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## Tan’N Flip (when you use your finger to move content from one side to the other)

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| Can you think of any real-world situations where you would find yourself Tap’N Flipping to share content? |
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| Traditional alternatives include to open a file dialog, or to open select and copy+paste the desired content. What are the strengths and weaknesses of each approach? Are there particular tasks, situations or users for which one is better than the other? |
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| Do you have any particular thoughts or suggestions on how to improve tPad Tap’N Flip? |
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## Grabbing (when you take a picture by simply placing the device on top of an object)

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| Can you think of any real-world situations where you would find yourself surface capturing information? |
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| The traditional alternative is to take a picture with the display camera. What are the strengths and weaknesses of each approach? Are there particular tasks, situations or users for which one is better than the other? |
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| Do you have any particular thoughts or suggestions on how to improve surface capture on tPads? |
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## Markers (QR codes)

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| Can you think of any real-world situations where you would find yourself reading markers (QR codes)? |
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| The traditional alternative is to read the marker with the device camera. What are the strengths and weaknesses of each approach? Are there particular tasks, situations or users for which one is better than the other? |
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| Do you have any particular thoughts or suggestions on how to improve marker reading with a tPad? |
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## Scribbles (when you draw on a paper to launch an app)

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| Can you think of any real-world situations where you would find yourself using scribbles to issue commands to a tPad? |
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| The traditional alternative is to navigate through the menus of the device. What are the strengths and weaknesses of each approach? Are there particular tasks, situations or users for which one is better than the other? |
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| Do you have any particular thoughts or suggestions on how to improve scribbles? |
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## Search

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| Can you think of any real-world situations where you would find yourself searching on a text document? |
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| Traditional alternatives include reading carefully, using the index of the book, or searching on the digital version of the document. What are the strengths and weaknesses of each approach? Are there particular tasks, situations or users for which one is better than the other? |
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| Do you have any particular thoughts or suggestions on how to improve text search on a tPads? |
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## Annotations (when you highlight or draw on a text document)

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| Can you think of any real-world situations where you would find yourself annotating a paper document with a tPad? |
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| Traditional alternatives include scratching the book, using post-it notes, note-taking on a separate notebook, or adding notes on a digital copy of the document. What are the strengths and weaknesses of each approach? Are there particular tasks, situations or users for which one is better than the other? |
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| Do you have any particular thoughts or suggestions on how to improve text annotation on tPads? |
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## Area Triggers (e.g. when a video starts by placing your device on a picture)

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| Can you think of any real-world situations where you would find yourself using area triggers? |
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| Traditional alternatives include retrieving the information manually or using QR codes. What are the strengths and weaknesses of each approach? Are there particular tasks, situations or users for which one is better than the other? |
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| Do you have any particular thoughts or suggestions on how to improve area triggers for tPads? |
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## General Questions for Transparent Tablet Interactions

The interaction technique is compelling and improves what we can do beyond current technologies.

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|  | **Disagree** | **Somewhat Disagree** | **Neutral** | **Somewhat Agree** | **Agree** |
| Tracing |  |  |  |  |  |
| Querying |  |  |  |  |  |
| Flipping |  |  |  |  |  |
| Tap’N Flip |  |  |  |  |  |
| Grabbing |  |  |  |  |  |
| Markers |  |  |  |  |  |
| Scribbles |  |  |  |  |  |
| Search |  |  |  |  |  |
| Annotations |  |  |  |  |  |
| Area Triggers |  |  |  |  |  |

Please rank the interaction techniques according to how important they can be to you in everyday tasks.

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| **Interaction** | **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** | **10** | **11** |
| Tracing |  |  |  |  |  |  |  |  |  |  |  |
| Querying |  |  |  |  |  |  |  |  |  |  |  |
| Flipping |  |  |  |  |  |  |  |  |  |  |  |
| Tap’N Flip |  |  |  |  |  |  |  |  |  |  |  |
| Grabbing |  |  |  |  |  |  |  |  |  |  |  |
| Markers |  |  |  |  |  |  |  |  |  |  |  |
| Scribbles |  |  |  |  |  |  |  |  |  |  |  |
| Search |  |  |  |  |  |  |  |  |  |  |  |
| Annotations |  |  |  |  |  |  |  |  |  |  |  |
| Area Triggers |  |  |  |  |  |  |  |  |  |  |  |