## Storyboard

## Project Name: Paint With Voice

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| 1. Our application’s design proposes a new interaction method with a drawing application. Imagine a person that cannot use his/her hands in order to interact with a computer, but is able to speak to it. Thus we propose a drawing application that uses voice input in order to enable drawing, and this is *Paint With Voice*. | 2. We can start from the following scenario:  Dad: - Why are you sad, son?  Son: - I want to draw something, but I can’t!  Dad: - Well, I know a way we can solve this. |

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| 3. And that’s how the father opens a new world to his son, *Paint With Voice*, a cool application that allows him to draw using only his voice. | 4. The *kid* doesn’t lose much time and eagerly starts interacting with the app. He is fast attracted by the multiple modes he can draw:  -       *free style*: picking a brush/pen and freely moving it on the canvas  -       *shape based*: he can choose from a variety of shapes to place on the canvas  With such a cool application, there’s no time to waste, so let’s choose the free style and see what’s happening! |

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| 5. Child: Woo-how…! Even more options:  -       *brush style*  -       *thickness*  -       *color*  -       *speed* (the brush is moved by voice commands like up, down, right, left, go, stop…, so we need to be able to adjust the speed in order to have a fine control) | 6. Ok, we got bored of so much options, now let’s see what can be done with them.  Child:   * *select pen brush, black color, thickness 1* * *go to left bottom corner, let pen down,* * *direction up, go, …, stop, direction right, go, …, stop* * *select color red, direction down, go, …, stop* * *select color green, thickness 4, direction right, go, …, stop* * *undo, direction left, go, …, stop*   Note: commands are only for guidance purpose, they are not in the final form. |

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| 7. Drawing lines is fun, and we can draw even close shapes with them.  Child: - What if I want to color such a shape? I drew four shapes, which were automatically labeled with numbers. Let’s try this:   * *select shape 2, make background green, set background solid* * *select shape 3, make background red, set background dot*   Wow, it worked! | 8. Child: - Well, I drew a few shapes, but they are pretty simple, so I got bored already. Are there any sketches that I can simply color?    Why not! We have a set of various template drawings and a great tool named “*Fill bucket*”. This tool can be positioned with move commands and it can fill any shape. Just say the words, MASTER! |

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| 9. Child: - Wow, this app is amazing. Does it have more surprises?    Of course, we have a special option called *Singing Mode*, which can draw a song by sound amplitude. Now it can only draw some line form, but who knows…, we may be able to change also colors in the futures and apply some effects.  Child: - Cool!... | 10. Child: - Hey, look! I drawn this nice portrait for my mom. How can I give it to her?    Just say the magic word, MASTER:   * *Print*… |

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| 11. Well, we came a long road, but not for nothing, cause:  *All's well that ends well*...thanks to *Paint With Voice*. |  |