

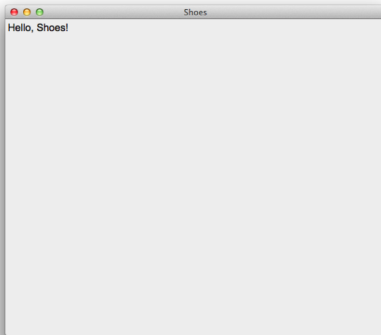
# **GUIs with Shoes**

GUIs? More like Eewies!

Brett Chalupa

# GUI

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What is a GUI?

# What is a GUI?

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A GUI is a Graphical User Interface.

# What is a GUI?

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Your computer has a GUI, it is what you see and what you click and what you drag and what you interact with.

That is all the GUI!

# Making a GUI

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Let's make a GUI with Shoes using Hackety Hack.



# Shooooooooes

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```
Shoes.app do  
  para "Hello, Shoes!"  
end
```

Para is short for paragraph!

# Shooooooooes

---

Add multiple paras to Shoes  
and see what happens.

# Shooooooooes

---

```
Shoes.app do
  stack do
    para "Hello, Shoes"
    para "Hello, Ruby"
    para "Hello, Hackety Hack"
  end
end
```



# Shoooooooooes

---

```
Shoes.app do
  button "Push me!" do
    alert "You pushed me!"
  end
end
```

Add a button!

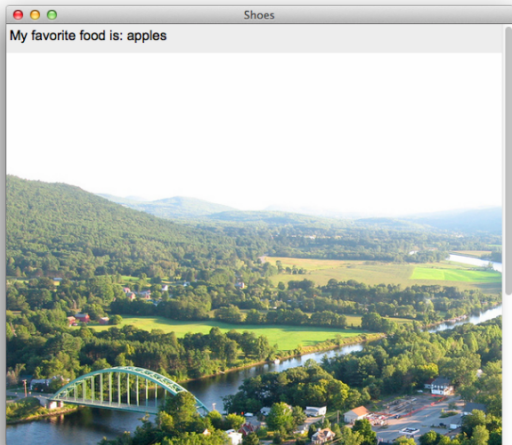
# Displaying Images

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1. Go to Google Images and search for your favorite food or favorite animal.
2. Find that image and click "View Original Image".
3. Save the image to the Desktop.

# Displaying Images

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# Displaying Images

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```
Shoes.app do
  para "My favorite food is: apples"
  image "paste link to picture of apple"
end
```

# Displaying Images

---

```
Shoes.app do
  para "My favorite food is: apples"
  image "paste link to picture of apple"
end
```

Was your image reeeaaaally big?

# Displaying Images

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```
image "link to picture", :width => 200
```

You can specify the width and height of an image.

# Displaying Images

---

```
Shoes.app do
  para "My favorite food is: apples"
  image "link to picture", :width => 200
end
```

# Mad Libs with Shoes

---

Let's convert our mad libs into a Shoes GUI.



# Mad Libs with Shoes

---

Remember our simple mad lib?

# Mad Libs with Shoes

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Remember our simple mad lib?

```
verb = ask "Please enter a verb"
```

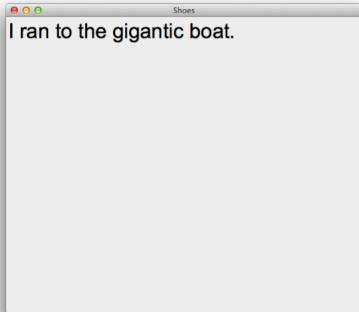
```
adjective = ask "Please enter an adjective"
```

```
noun = ask "Please enter a noun"
```

```
alert "I " + verb + " to the " + adjective + " " + noun + "."
```

# Mad Libs with Shoes

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Here is how it looks as a Shoes application!

# Mad Libs with Shoes

---

```
verb = ask "Enter a verb"  
adjective = ask "Enter an adjective"  
noun = ask "Enter a noun"  
  
Shoes.app do  
  para "I " + verb + " to the " + adjective + " " + noun + "."  
end
```

Here is how it works as a Shoes application!

# Mad Libs with Shoes

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Let's convert our long mad lib to Shoes.

# Mad Libs with Shoes

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1. Keep the ask variables in the same place.
2. Add in some variables for typing in the image url.
3. Change the alerts to be paras.