

# Ecoscapes: Saltwater



Created by:

Daniel Röhr - Project Manager Java  
Nicholas Lubendro - Graphics  
Christoph Lüdtke - User Interface



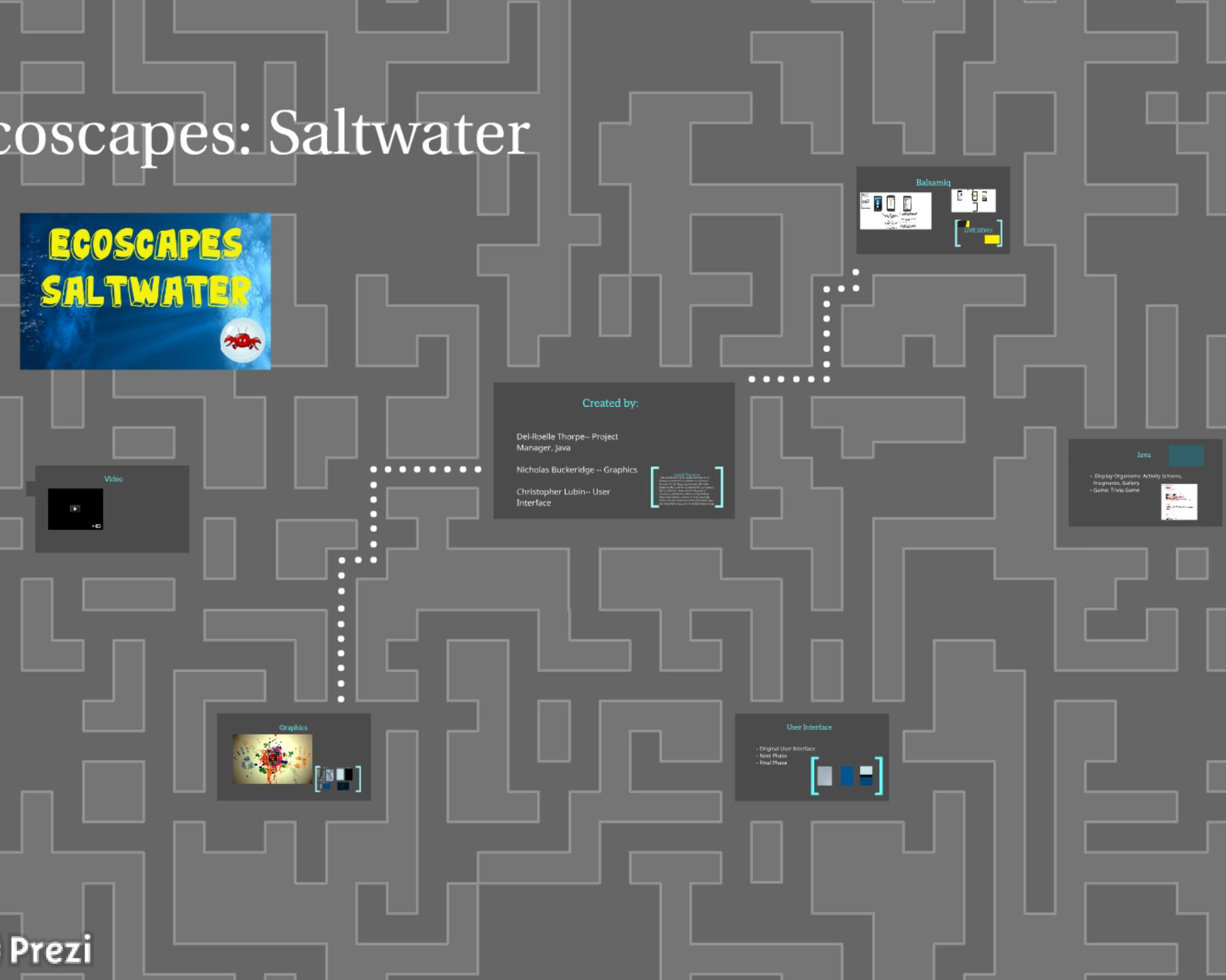
AGW



# Ecoscapes: Saltwater



Video



# Created by:

Del-Roelle Thorpe-- Project  
Manager, Java

Nicholas Buckeridge -- Graphics

Christopher Lubin-- User  
Interface

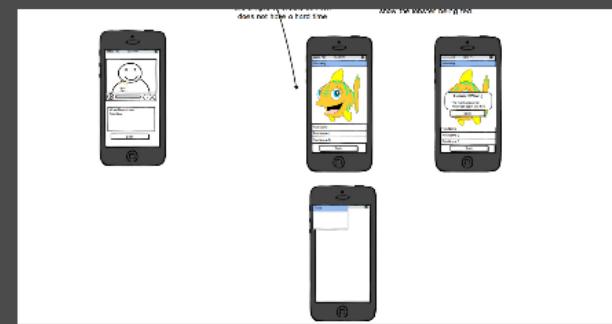
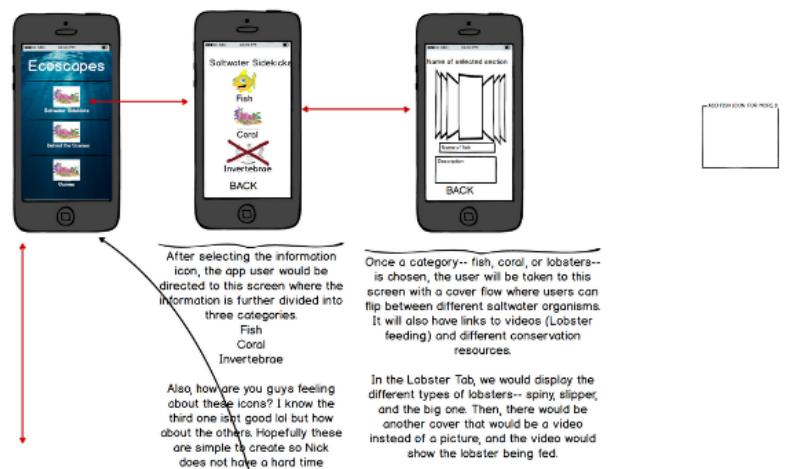
#### Special Thanks to:

We would like to give a special thanks to: Dr. Shankar and Professor McAfee, Dr. Mitsova-Boneva, Mr. Santiago Aguerrevere, Mr. Alain Edwards, Ms. Summer Scarlatelli, Mr. Joe Cytacki, Florida Atlantic University, the Museum of Discovery and Science, Miramar High School, Nova High School, and South Plantation High School. We got inspiration from the Sudoku App, the Trivia Game App, and the MODS Explorer app.

# Balsamiq

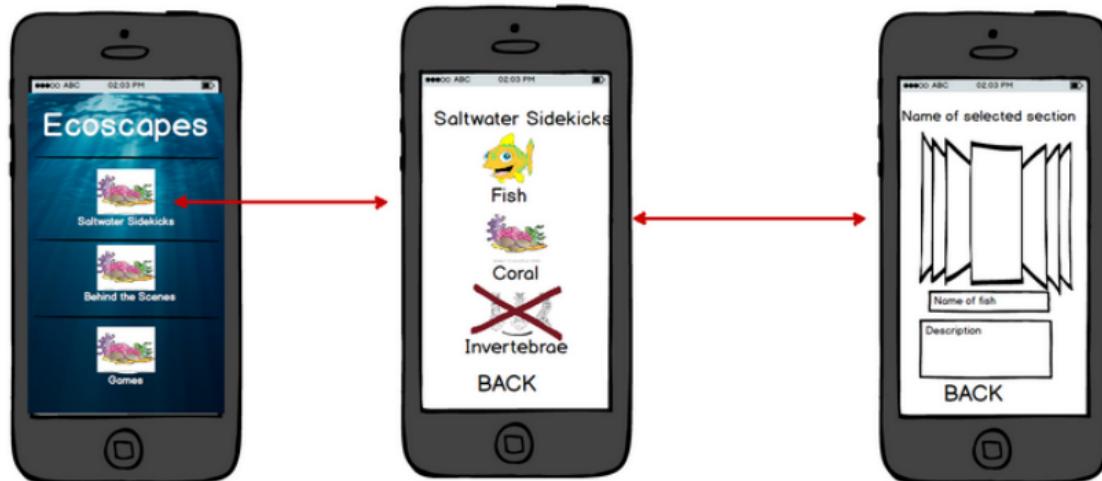
For the first page, I was thinking we have a background of an underwater picture and icons of coral I know that for graphics you can't exactly use these pictures but maybe you could draw a picture of coral? And I'm not sure how backgrounds work, but I guess we will talk about it more later.

P.S: if you guys don't like "Saltwater Sidekick" link and we can change it



For the first page, I was thinking we have a background of an underwater picture and icons of coral. I know that for graphics you can't exactly use these pictures but maybe you could draw a picture of coral?? And I'm not sure how backgrounds work, but I guess we will talk as a group about it more later.

PS- if you guys dont like "Saltwater Sidekicks" lmk and we can change it

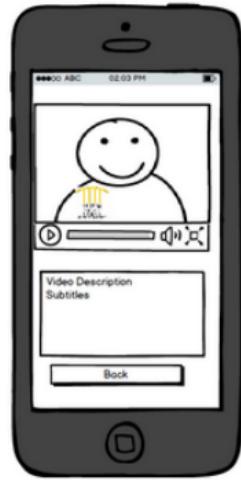


After selecting the information icon, the app user would be directed to this screen where the information is further divided into three categories.  
Fish  
Coral  
Invertebrae

Also, how are you guys feeling about these icons? I know the third one isn't good lol but how about the others. Hopefully these are simple to create so Nick does not have a hard time

Once a category-- fish, coral, or lobsters-- is chosen, the user will be taken to this screen with a cover flow where users can flip between different saltwater organisms. It will also have links to videos (Lobster feeding) and different conservation resources.

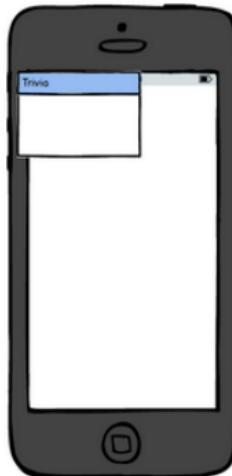
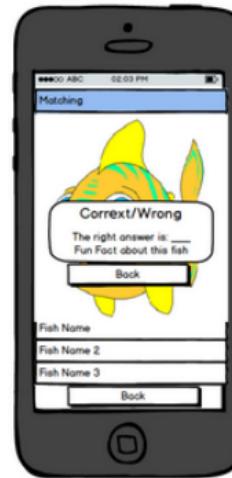
In the Lobster Tab, we would display the different types of lobsters-- spiny, slipper, and the big one. Then, there would be another cover that would be a video instead of a picture, and the video would show the lobster being fed.



and simple to create when  
does not have a hard time



show the lobster being fed.





# LIVE DEMO



# Java



- Display Organisms: Activity Screens, Fragments, Gallery
- Game: Trivia Game

```
private class Img extends Activity {
    //the image to display
    Integer[] images = { R.drawable.artificial_star,
                        R.drawable.artificial_star,
                        R.drawable.artificial_star,
                        R.drawable.artificial_star };

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.gallery);
        //news with images is represented as Android 4.1—
        //Gallery images. (Gallery findViewById(R.id.gallery);
        gallery.setAdapter(new ImageAdapter(this));
        gallery.setOnItemClickListener(new AdapterView.OnItemClickListener() {
            public void onItemClick(AdapterView parent, View v, int position, long id) {
                Intent intent = new Intent(Img.this, Image.class);
                intent.putExtra("position", position);
                startActivity(intent);
            }
        });
    }

    //where the number of images
    public int getCount() {
        return images.length;
    }

    //return the ID of an item
    public Object getItem(int position) {
        return position;
    }
}
```

```
public class Coral extends Activity {

    //the images to display
    Integer[] imageIDs = {
        R.drawable.artificial_reef,
        R.drawable.hard_coral,
        R.drawable.soft_coral,
    };

    @Override
    protected void onCreate(Bundle savedInstanceState) {
        super.onCreate(savedInstanceState);
        setContentView(R.layout.activity_main);
        // Note that Gallery view is deprecated in Android 4.1---
        Gallery gallery = (Gallery) findViewById(R.id.gallery1);
        gallery.setAdapter(new ImageAdapter(this));
        gallery.setOnItemClickListener(new AdapterView.OnItemClickListener() {
            public void onItemClick(AdapterView<View> parent, View v, int position, long id)
        });
        public class ImageAdapter extends BaseAdapter {
            private Context context;
            private int itemBackground;

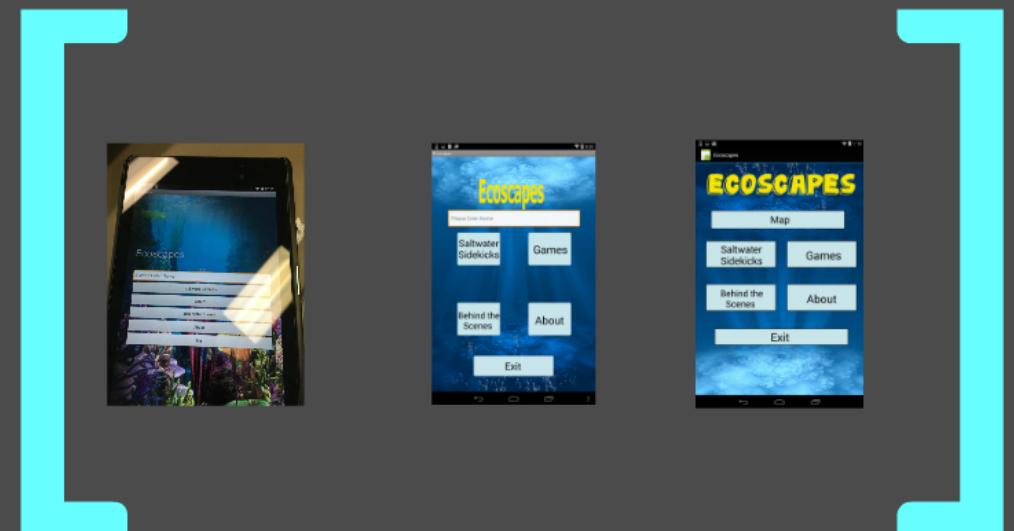
            public ImageAdapter(Context c) {
                context = c;
                // sets a gray background; wraps around the images
                TypedArray a = obtainStyledAttributes(R.styleable.MyGallery);
                itemBackground = a.getResourceId(R.styleable.MyGallery_android_galleryItemBackground,
                    0);
                a.recycle();
            }

            // returns the number of images
            public int getCount() {
                {
                    return imageIDs.length;
                }
            }
            // returns the ID of an item

            public Object getItem(int position) {
                return position;
            }
        }
    }
}
```

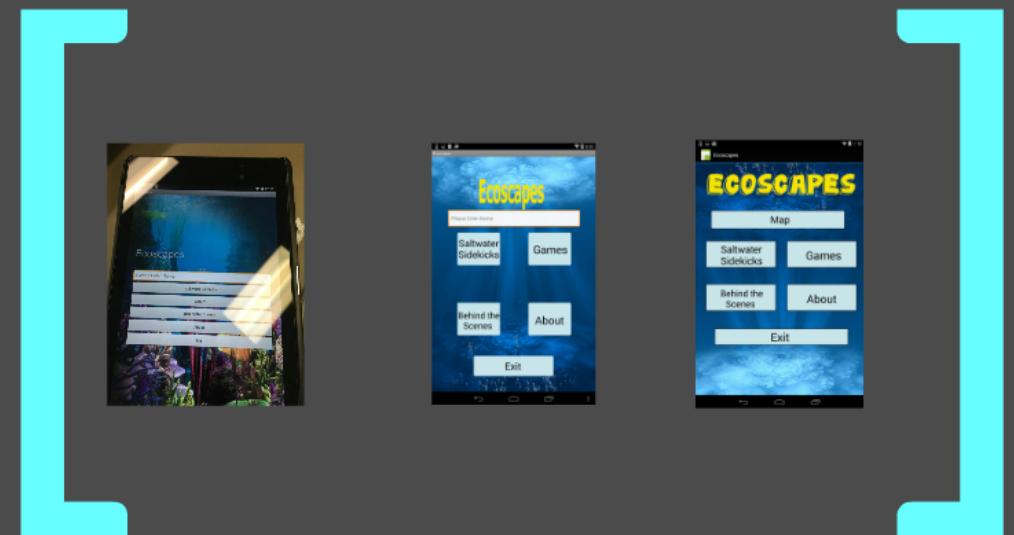
# User Interface

- Original User Interface
- Next Phase
- Final Phase



# User Interface

- Original User Interface
- Next Phase
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# Ecoscapes

User

Please Enter Name

Saltwater Sidekicks

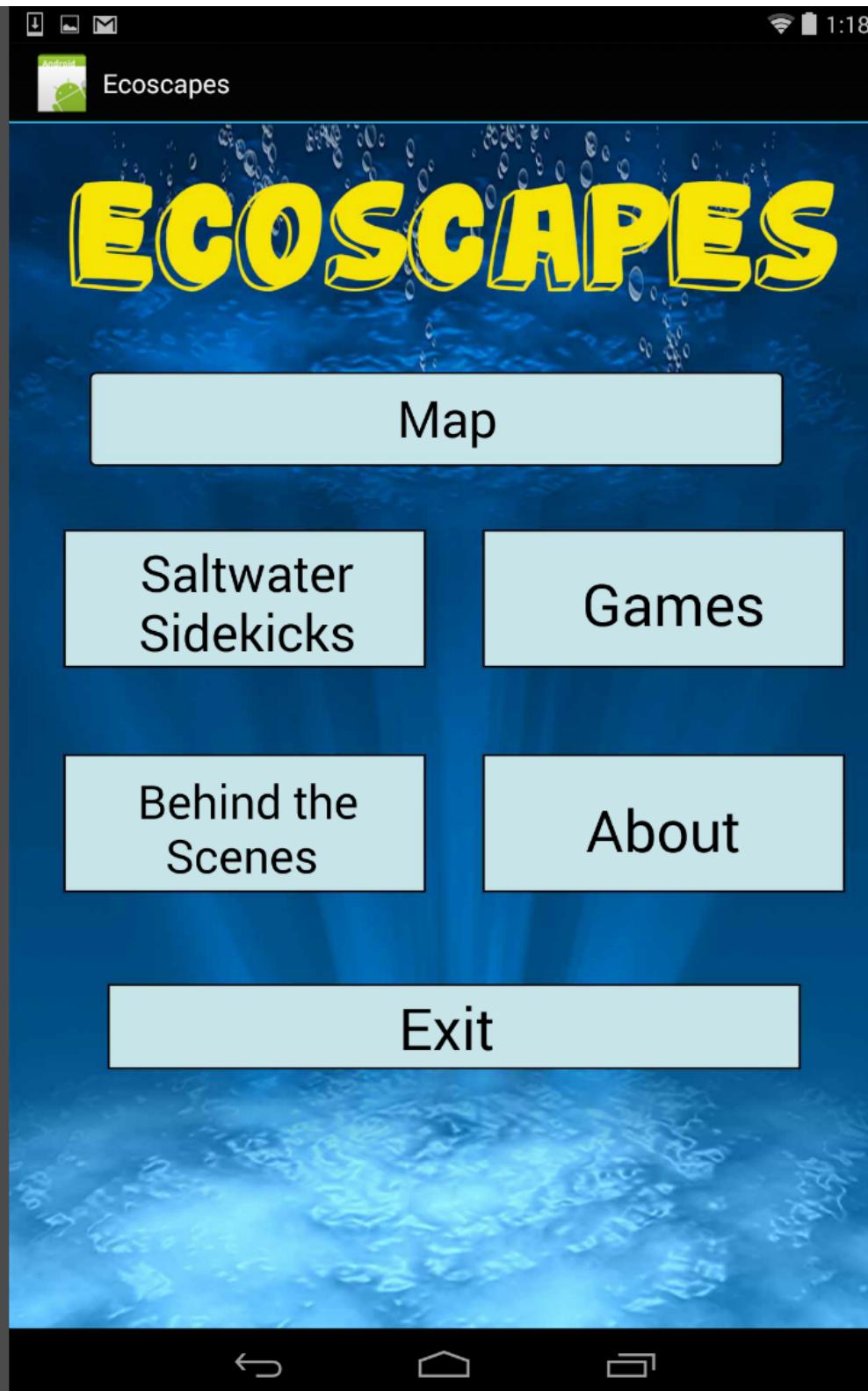
Games

Behind the Scenes

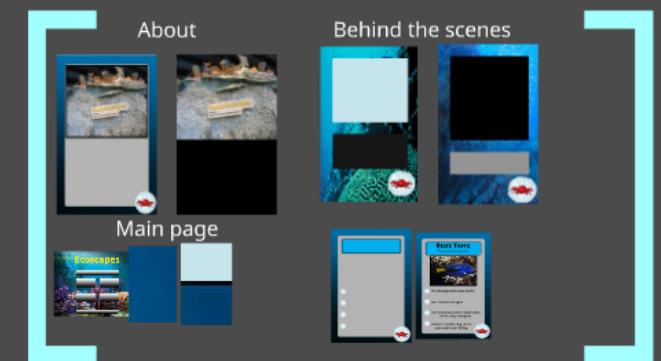
About

Exit





# Graphics



# About



Main page



# Behind the scenes

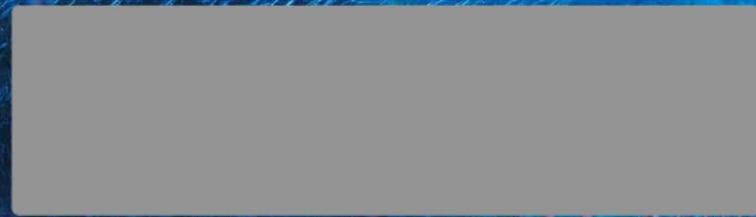
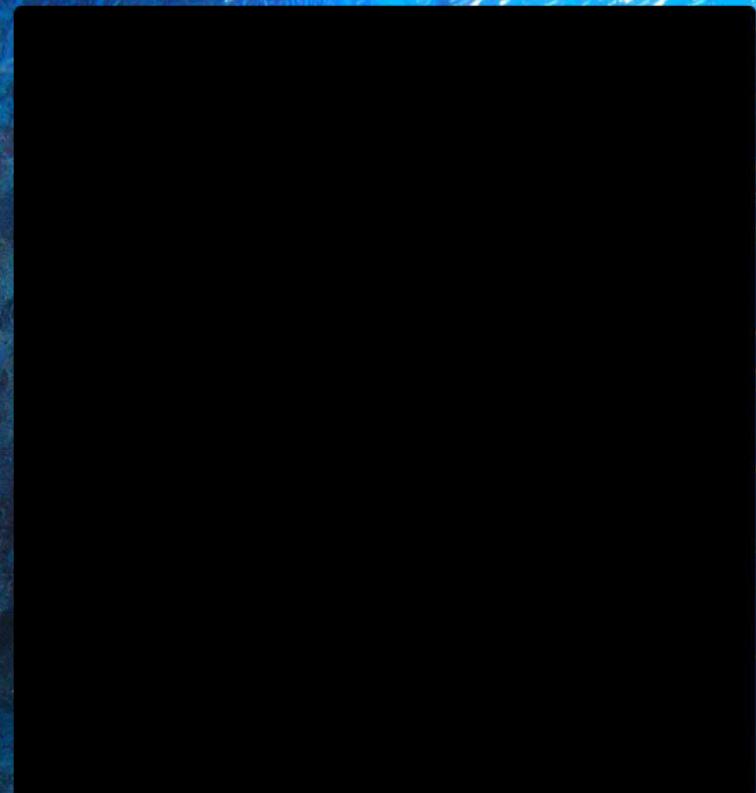
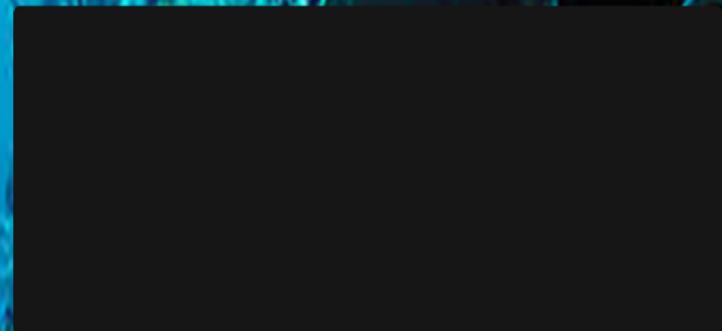




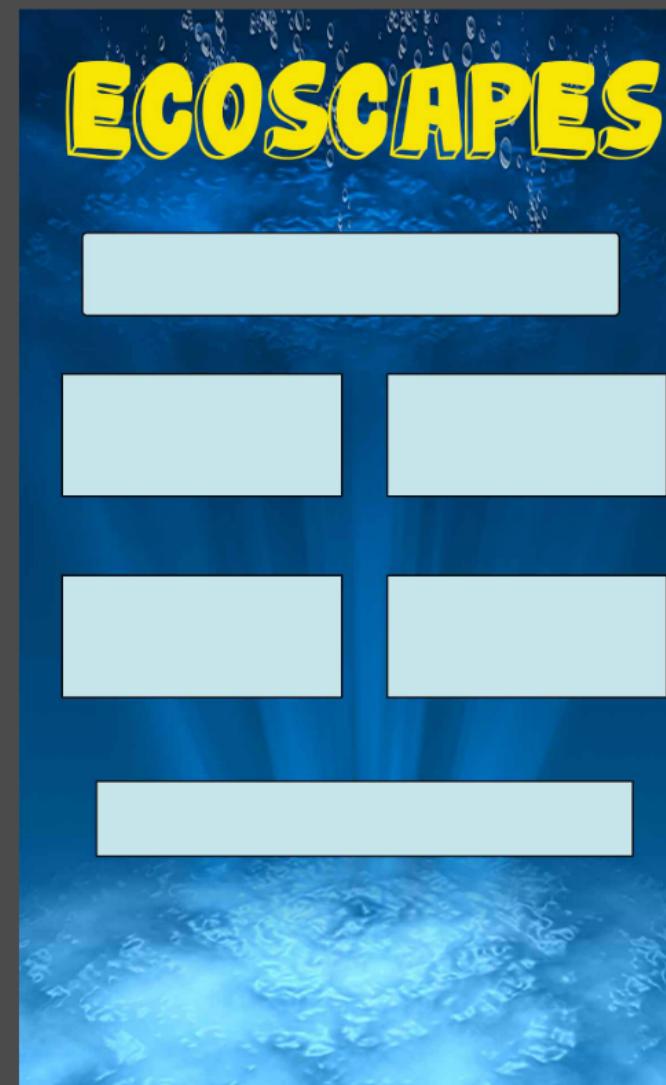
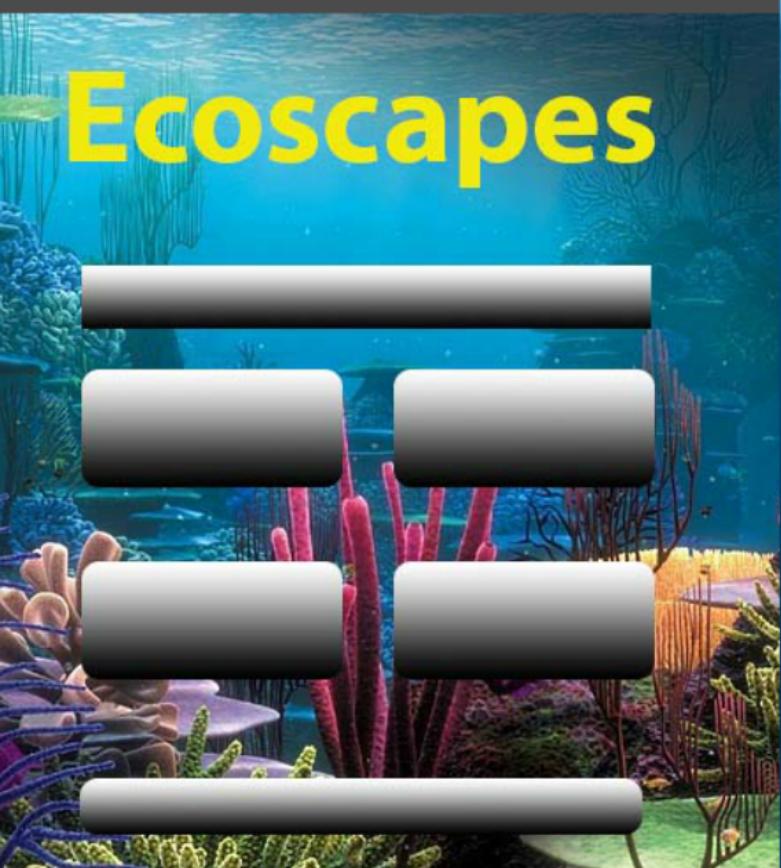
Prezi



Prezi



# Main page



# BLUE TANG

*Paracanthurus hepatus*

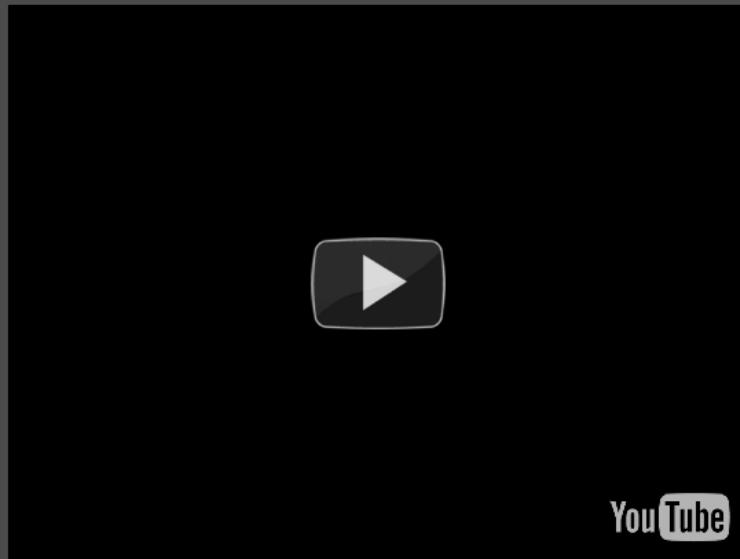


- I live throughout the Indo-Pacific.
- I eat plankton and algae.
- I am mostly blue, with a mostly yellow tail fin, and 3 anal spines.
- Fun Fact: The Blue Tang can be used as bait when fishing.



Prezi

# Video



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Java

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- Game Trivia Game



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- New Phase
- Final Phase

