

A decorative graphic on the left side of the slide, consisting of a network of thin, light blue lines and small circles, resembling a circuit board or a neural network diagram. The lines are vertical and horizontal, with some diagonal connections, and the circles are placed at various points along these lines.

APPLICATION DEVELOPMENT 101

WHERE CAN YOU GET AN APP?



App Store



Google play

WHY DO PEOPLE MAKE APPS?

- \$\$\$
- To make life easier

HOW DO APPS MAKE MONEY?

- Advertisements
- In-app purchases

FUN FACTS ABOUT APPS



- Customers are downloading apps at a rate of 800 apps per second
- Out of the top 50 most downloaded apps, only 12 generate revenue through in app purchases
- Flappy Bird was making \$50,000 per day through advertisements

WHAT IS AN APP MADE OF?

- Algorithms!

```
private function onEnterFrame(e:EnterFrameEvent):void
{
    if(isJump)
    {
        speed = -UPWARD_SPEED; //negative relative to the normal gravity
        isJump = false; //once a jump is activated, we disable the flag
    }
    speed += (GRAVITY); //physics ya, the speed is affected by gravity
    objFlying.y += speed;

    if(objFlying.y > MAX_FLOOR) //if it hits the wall
    {
        speed = 0;
        objFlying.y = MAX_FLOOR;
    }
}

private function onTouch(e:TouchEvent):void
{
    ...
    var touch:Touch = e.getTouch(stage);

    if(touch.phase == TouchPhase.BEGAN)
    {
        isJump = true; //a touch enables a slight jump
    }
}
```

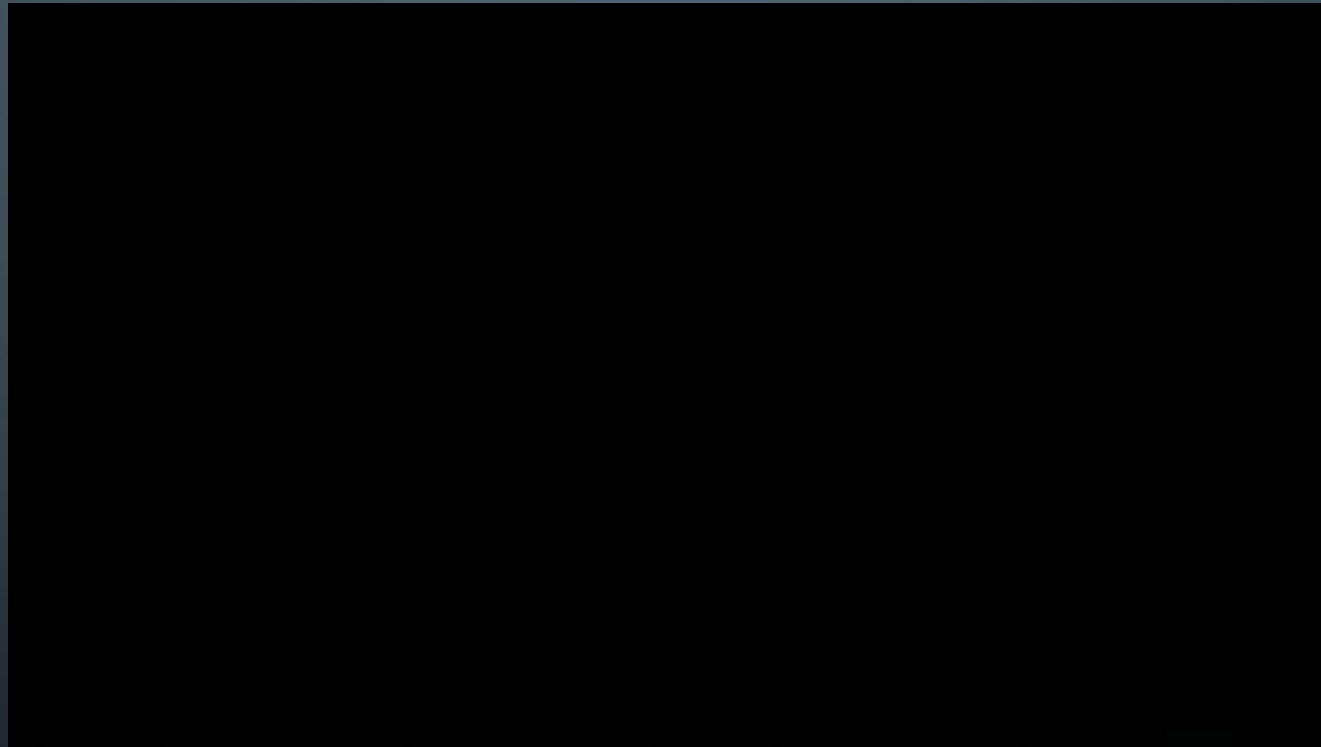
WHAT IS AN ALGORITHM?

- An Algorithm is a step-by-step solution
- It is like a cooking recipe for mathematics

The background is a dark blue gradient with faint, concentric circles centered behind the text. In the four corners, there are white line-art illustrations of circuit boards or neural networks, featuring lines and small circles.

LETS MAKE AN ALGORITHM

HOW DO YOU START?



WHY WOULD YOU WANT TO MAKE A FREE APP?

- Change the world
- Change the way we think
- Change the way we do tasks
- People are more likely to help work on your app

THINGS TO KEEP IN MIND WHEN MAKING AN APP

- Purpose?
- Target Audience?
- How do you want to make money?
- iPhone or Android?(or both)
- Does it exist already in some form?
- Does my app solve a problem?
- Is it cool?
- Is it hard to make?

WHERE DO YOU LEARN CODE?

- School classes
- Online classes
- Teach yourself

WHO WILL HELP YOU WITH YOUR APP?

- Your peers
- Collaborators on the internet (be careful)

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WHAT KIND OF APP DO YOU WANT TO MAKE
NOW?