TEAM MEMBERS

Jordan
Manager

Jacqueline
Language Guru

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System Architect

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Tester

ft. Frederick ("Freddy") Kellison-Linn
OVERVIEW

• General-purpose programming language
• BURGer is statically typed and convenient to use
• Allows top-level code
• Functions
TYPES

• BURGer supports integers, booleans, strings, and a null type
• BURGer has explicit type declarations
• BURGer supports variable initialization

```c
int x;
int y = 12;
bool z = true;
string hello = “Hello World!”;
```
Control Flow

```plaintext
int i;
i = 0;
while (i < 5)
{
    println("yum");
    println("burger");
i = i+1;
}
```

Function Declaration

```plaintext
def int add(int a, int b)
{
    println("add!");
    return a + b;
}
print(add(1, 3))
```
BEHIND THE SCENES

• A "hidden" main function wraps top-level BURGer code
• Print functions are implemented in a standard library written in C
PROCESS

• Group meetings on Monday, meetings with Freddy on Tuesdays
LESSONS LEARNED

• Functional programming
• How a compiler works
• Start early
• Use resources available
• Be realistic
DEMO