```bash
#!/bin/bash

#----------------------
#1- Check argument Count
#----------------------
if [ "$#" -ne 2 ]; then
        echo "You need to provide two arguments for this script to work."
        echo "Usage: make-go-dir <root directory name> <identifier name> "
        exit 1
fi

ROOTDIR=$1
IDENTIFIER=$2

#---------------------------------------
#2- We ask the user for confirmation now
# --------------------------------------
echo "I am about to creat a directory structure named '$ROOTDIR' And '$IDENTIFIER is the identifier for the go.mod file"
read -p "Do you want me to continue? [Yes/no] " ANSWER

if [ "$ANSWER" != "Yes" ]; then
        echo "Abort"
        exit 0
fi

#-------------------------------
#3- We now create the directories
#-------------------------------
echo "Create directory structure...."

mkdir -p "$ROOTDIR/bin"
mkdir -p "$ROOTDIR/cmd/api"
mkdir -p "$ROOTDIR/internals"
mkdir -p "$ROOTDIR/migrations"
mkdir -p "$ROOTDIR/remote"



#------------------------------------
#4- We create the go.mod file now
#------------------------------------
echo "module ${ROOTDIR}.${IDENTIFIER}" > "$ROOTDIR/go.mod"

#--------------------------------------------------------------
#5- We now create the make file now - should be empty as well
#--------------------------------------------------------------
touch "$ROOTDIR/make-file"


#-----------------------------------------
#6 - Now write simple hellow world program
#-----------------------------------------
cat <<EOF > "$ROOTDIR/cmd/api/main.go"
//File: cmd/api/main.go

package main

import "fmt"

func main() {
        fmt.Println("Hello World!")
}
EOF



#----------------------------------------------------------
# 7- Final message to user
#----------------------------------------------------------
echo "I have created a *main.go* file for you to test the directory structure"
echo "Type *go run ./cmd/api* at the root directory of your project to test your project"
echo "Thank you. "
```

```
rio@jaguar:~/Test2Activity$ make-go-dir karpbox umana-amilcar.net
I am about to create a directory structure name 'karpbox'.
Do you want me to continue? [Yes/No]Yes
Create directory structure...
I have create a *main.go* file for you to test the directory structure.
Type *go run .cmd/api* at the root directory of your project to test your project.
Thank you
rio@jaguar:~/Test2Activity$ _
```

```
rio@jaguar:~/Test2Activity$ ls
karpbox   make-go-dir
rio@jaguar:~/Test2Activity$ cd karpbox
rio@jaguar:~/Test2Activity/karpbox$ ls
bin  cmd  go.mod  internals  make-file  migrations  remote
rio@jaguar:~/Test2Activity/karpbox$ go run ./cmd/api
Hello world!
rio@jaguar:~/Test2Activity/karpbox$ cat go.mod
module karpbox.umana-amilcar.net
rio@jaguar:~/Test2Activity/karpbox$ _
```

```
rio@jaguar:~/Test2Activity$ tree karpbox
karpbox
├── bin
├── cmd
│   └── api
│       └── main.go
├── go.mod
├── internals
├── make-file
├── migrations
└── remote

7 directories, 3 files
rio@jaguar:~/Test2Activity$
```