# Name of the project

PROJECT\_NAME = Weekday

# Output directory

BUILD = build

# All source code files

SRC = main.c

TEST\_OUTPUT = $(BUILD)/Test\_$(PROJECT\_NAME).out

# All include folders with header files

INC = -Iinc

PROJECT\_OUTPUT = $(BUILD)/$(PROJECT\_NAME).out

# Document files

DOCUMENTATION\_OUTPUT = documentation/html/index

# Default target built

$(PROJECT\_NAME):all

# Run the target even if the matching name exists

.PHONY: run clean test doc all

all: $(SRC) $(BUILD)

gcc $(SRC) $(INC) -o $(PROJECT\_OUTPUT).out

# Call `make run` to run the application

run:$(PROJECT\_NAME)

./$(PROJECT\_OUTPUT).out

# Document the code using Doxygen

doc:

make -C ./documentation

# Build and run the unit tests

test:$(BUILD)

gcc $(TEST\_SRC) $(INC) -o $(TEST\_OUTPUT) -lcunit

./$(TEST\_OUTPUT)

# Remove all the built files, invoke by `make clean`

clean:

rm -rf $(BUILD) $(DOCUMENTATION\_OUTPUT)

# Create new build folder if not present

$(BUILD):

mkdir build