

## 1 Introduction

The Guidelines for submitting a Mini-Project are outlined in this document. For the remainder we assume that you are submitting an implementation outlined in a fictitious Mini-Project numbered  $K$  (in this course,  $K$  is a small integer such as 1 or 2 or 3) and the last four digits of your NJIT ID (NOT YOUR SOCIAL SECURITY NUMBER) are  $WXYZ$ . If you do not know your NJIT ID make sure that you find it out. It will be required in all exams/quizzes as well. Even if you are a Rutgers student, you still have an NJIT ID. The NJIT grading system records NJIT IDs; so login to `my.njit.edu` to get your NJIT ID. If you provide us with your SSN digits you will confuse us. Your SSN is a private piece of information. **WE WILL NEVER ASK YOU TO REVEAL YOUR SSN TO US!**

The symbol `_` we are using is the underscore symbol, not the minus/dash `-` symbol.

- Example Mini-Project, is MP  $K$ , and will appear as `MP_K`.
- Example last four digits of ID are  $WXYZ$  and will appear as `WXYZ`.

## 2 Checklist for submitting an assignment

- 1: **Pack things up.** You may use an archiving program such as `tar` or `zip` or `rar` but nothing else. Include a `MPK_WXYZ.txt` that might contain bug information or instructions. You pack up all your files into one that reads `MPK_WXYZ.zip` or `MPK_WXYZ.tar` or `MPK_WXYZ.rar`.
- 2: **Compose email.** Read the homework to determine the email addresses that will be used for sending an email (instructor's and grader's). Prepare the email and attach the relevant information from Step 1 but make sure that the Subject line conforms to Step 3 below.
- 3: **Subject of email.** Make sure that your email has a **subject line** that indicates the course number, assignment number, and the last four digits of your id. A subject line such as `CS101 HWK WXYZ` is an acceptable one. Do not connect the three words with dashes, underscores or other punctuation marks. (It's a Google quirk.)
- 4: **Send email.** When you are done with the composition of your email, and have formulated a proper subject line, think twice before hitting the send button. CC your email to one of your email accounts to verify TRANSMISSION. Some devices delay transmission. Try to use an NJIT account to send the email; NJIT's spamming filters might block emails from other accounts! Now that you have thought of those items, you may hit the Send Button and transmit the homework email. **We acknowledge emails promptly and if they are received during regular hours, rather quickly.**

## 3 Programming

### 3.1 MATLAB

Test your code on an AFS machine with the latest version of MATLAB (the last choice) to avoid any problems.

## 3.2 What files to submit

Every Mini-project will provide you with specific instructions. These might include the creation of an M-file, that might be named `MP_K.WXYZ.m` or similarly. The name of the functions will determine the `.m` files that you will have to create. If you plan to use additional functions, you can do so, but in this case provide documentation in each function's M-file and also in a `MP_K.WXYZ.txt` file.

## 3.3 Somewhere in every file

Include in every file of yours one way or the other your full name, last four digits of your NJIT ID, and also the MiniProject number. For at least one M-file of your submission this will be explicitly asked by us.

```
% Alex. Gerbessiotis MP K WXYZ.  
%
```

## 4 Grading

1. No `partial credit` will be given to submitted code that does not satisfy the previous guidelines.
2. No `partial credit` will be given to submitted code that is not interpreted error-free or is incompatible with the guidelines of the assignment. If your code fails to be interpreted error-free, we will not request retransmission.
3. No `partial credit` will be given for code that does not fully list its bugs.
4. The grader will decide testing instance(s) and grade your submission based on whether it passes successfully or not these testing instances. If your code does not pass any testing instances, it will get 0 points.

## 5 Using tar or zip

To untar a tar file into its individual components from the command-line prompt on an AFS machine, run the following command (the percent sign is the prompt, you do not type it).

```
% tar xvf MP_K_WXYZ.tar
```

To create a tar archive say `MP_K.WXYZ.tar` that includes individual files `A.m`, `B.m` and `C.m` do as follows.

```
% tar cvf MP_K_WXYZ.tar A.m B.m C.m
```

All operations are case sensitive. For zip files use the first of the operations shown below if you just want to list the contents of the zip file; or the second to extract the files. The third creates a zip file.

```
% unzip -l MP_K_WXYZ.zip
```

```
% unzip MP_K_WXYZ.zip
```

```
% zip MP_K_WXYZ.zip A.m B.m
```

## 6 Familiarity with AFS.

If you are not familiar with AFS here are some useful commands. If you are familiar with Microsoft's command prompt you can see equivalent Microsoft commands. The UNIX AFS commands are similar to those available in OSX in a terminal.

Windows/Command Prompt	UNIX afs	Comment
% dir	ls	List files in local directory
% dir /?	man ls	Help for command
% dir /S	ls -lR	Recursive listing (subdirectories)
%	ls -a	List hidden files+everything else
% cd dirname1/dir2/dir3	cd dirname1/dir2/dir3	Go to dir3
% cd C:\	cd	Return to home directory
% cd ..	cd ..	
% date	date	
% time	time	
% [Acrobat invocation]	acroread	
% [Matlab invocation]	matlab	
% [ssh incocation]	ssh afs12.njit.edu -l UCID	Connect to AFS machine afs12 as USER UCID
%	scp FILE UCID@afs12:~	Copy securely file FILE to the account UCID of afs12 at the top-directoy
%	who	Who is logged on
%	ps	Process Status
%	ps agux egrep UCID	Check user's UCID processes
%	kill -9 8765	Kill process 8765
%	kill -9 9454	9454 is -tcsh the login process
% exit	exit	Terminate(and logout in UNIX)
% exit	logout	Terminate(and logout in UNIX)
%	pwd	Print working directory
% cat	cat	Catenate/Concatenate files
%	cat x >y	Copy x into y
%	cat x >>y	Append x to y
% copy	cp	
%	cp x y	Copy x into y
% more	cat, less, more	list contents of file
%	cp -i	copy and inquire to confirm
%	cp -r	copy recursively
%	cp -r dir1 dir2	
% mv	mv	move
% del	rm	remove
%	rm -r	remove recursively a directory
% md	mkdir	
% rmdir	rmdir	
% cls	clear	
% echo	echo	
% fc	diff	
% find	grep egrep	
% command /?	man command	
% chdir	pwd	

#### Sample Output of ps agux|egrep UCID

```
UCID      9454  0.0  0.3 3360 2640 pts/5    S 10:55:43  0:00 -tcsh
UCID      9484  0.0  0.1 1304 1056 pts/5    S 10:55:46  0:00 /bin/sh ./proxy.sh
UCID      9486  0.0  0.4 5488 3784 pts/5    S 10:55:46  0:00 ssh -N -v -D3000 l
```