

## FOC 22F Project Marking Scheme

Fucntion (40)	Input/Output	Input/Output hint correct, exactly the same as the sample		5
		When input invalid filename, output warning.		5
		Input single filename, output filename and correct classification result	sample from 0 to 9, 10 test cases	10
		Input multiple filenames, output filenames with correct classification results	sample combinations of 0 to 9, 10 test cases	10
		always ask whether continue after the warning/results		5
		when answer N, print Bye and stop the program		5
Non-func (30)	Stage (20)	ReadImg	a. function declaration correct(all needed are input) b. function/stage process correct	2
		ReadTXT		2
		Phase I: img[28x28]->A[28x28]		2
		Phase II - 1. Reshape: A[28x28]->B[1x784]		2
		Phase II - 2. Multiply: B[1x784], C[784x128](W1.txt) -> D[1x128]		2
		Phase II - 3. Add: D[1x128], E[1x128](B1.txt) -> F[1x128]		2
		Phase II - 4. Activate: F[1x128] -> G[1x128]		2
		Phase II - 5. Multiply: G[1x128], C[128x10](W2.txt) -> H[1x10]		2
		Phase II - 6. Add: H[1x10], E[1x10](B2.txt) -> L[1x10]		2
		Phase II - 7. SoftMax: L[1x10] -> S[1x10]		2
	var name (10)	A[28x28]	a. var name correct b. matrix size correct	1
		B[1x784]		1
		C1[784x128], C2[128x10]		1
		D[128x128]		1
		E1[1x128], E2[1x10]		1
		F[1x128]		1
		G[1x128]		1
		H[1x10]		1
		L[1x10]		1
		Bonus, most of the above correct		1
Elegance	20	deduct 5 for every inefficiency piece of codes		20
Comment	5	percent of valid comment lines compare with the valid statement lines		5
Code style	5	percentage of correct indention lines		5