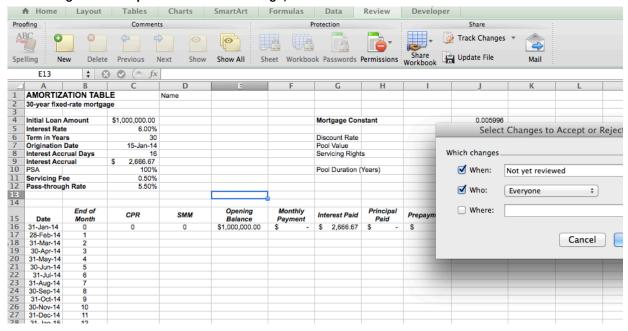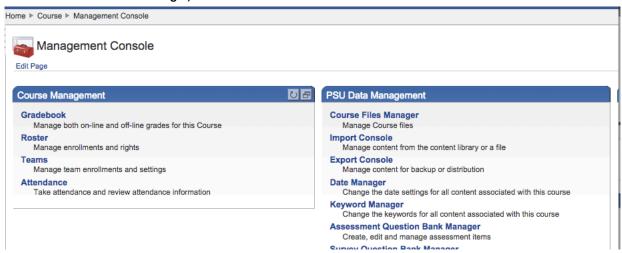# Generation

Preparation

Get a Assignment sample and Set Track Change;

Download the roster from Angel;

Create a Folder 'Assignment';

Run Excel Generator

Choose the Assignment Template, Assignment Folder

Click Generate

Grade

Preparation

Put All the students homework(.xlsx) in one folder;

Name		Date Modified	Size	Kind
1.xlsx		Yesterday, 10:48 PM	37 KB	Micros...kbook
2.xlsx		Yesterday, 11:50 AM	37 KB	Micros...kbook

Get a Answer Template which is the same as the Assignment and put the correct answer in Numeric Value or Formula inside each cell;

Create Folder 'After' and 'Report' under the same folder with the 'Assignment' Folder;

Name		Date Modified	Size	Kind
▶ after		Yesterday, 10:58 PM	--	Folder
answer_point.xlsx		Jun 23, 2015, 12:09 PM	38 KB	Micros...kbook
answer.xlsx		Yesterday, 11:50 AM	36 KB	Micros...kbook
▶ assignment		Yesterday, 10:55 PM	--	Folder
▶ bin		Jul 23, 2015, 2:11 PM	--	Folder
▶ report		Yesterday, 10:58 PM	--	Folder
▶ src		Jul 17, 2015, 1:52 PM	--	Folder

Use the same template to set points for each cell. This is optional and it supports to find all errors in the students' assignments;

Run Excel Grader

Choose the Assignment Folder, Answer File and the optinal Score file;

Set Score and Rounding following the examples. In the score set box, the score set for each cell in separated by ',' and 'A1:5' means the score for A1 is 5pt while the total score is 100. In the rounding set box, 'A1:0.01' means the answer will be correct if it is in the range [answer-0.01, answer+0.01].

Click Run

Outputs

Report in the User Interface;

Automatic Grader

File

| Browse Assignment Path | ers/bambool/Dropbox/excel/Test/./assignment |

| Browse Answer File | ers/bambool/Dropbox/excel/Test/./answer.xlsx |

| Browse Score Template File | |

| D16:20, D17:20, D18:20,D19:20 | D17:5 |

Run

```
Here is the report:

Report for 1.xlsx

 Cell D15 is wrong, 20.0pt is deducted!
 Cell D16 is wrong, 20.0pt is deducted!
Your total point for this assignment is 60.0

Report for 2.xlsx

 Cell D16 is wrong, 20.0pt is deducted!
Your total point for this assignment is 80.0
```

Report for each student in the Report Folder. Only the cell settled score will be presented in the report;

report_1.xlsx.txt

```
Report for 1.xlsx

 Cell D15 is wrong, 20.0pt is deducted!
 Cell D16 is wrong, 20.0pt is deducted!
Your total point for this assignment is 60.0
```

Name		Date Modified	Size	Kind
report_1.xlsx.txt		Today, 12:36 PM	148 bytes	Plain Text
report_2.xlsx.txt		Today, 12:37 PM	107 bytes	Plain Text

Incorrect cell marked in the after Folder. All the mistake cells will be marked;

	A	B	C	D	E	F	G	H	I	J	K	L	M	N
1	AMORTIZATION TABLE													
2	30-year fixed-rate mortgage													
3														
4	Initial Loan Amount		$200,000.00		Mortgage Constant		0.005995505							
5	Interest Rate		6.00%											
6	Term in Years		30											
7	Origination Date		15-Jan-14											
8	Interest Accrual Days		16											
9	Interest Accrual		$ 533.33											
10														
11														
12	Date	End of Month	Opening Balance	Monthly Payment	Interest Paid	Principal Paid	Ending Balance							
13	31-Jan-14	0	$200,000.00	$ -	$ 533.33	$ -	$200,000.00	Assume payments are due on the 1st of each month						
14	28-Feb-14	1	$200,000.00	7				You need to fill in the correct formulas to create the amortization schedule.						
15	31-Mar-14	2		3				Your table should be flexible and accommodate mortgages with terms up to 40-years						
16	30-Apr-14	3		4				You will need to program the table using "=IF" statements to build-in the necessary flexi						
17	31-May-14	4		$1.00										
18	30-Jun-14	5		$5.00										
19	31-Jul-14	6		$6.00										
20	31-Aug-14	7		7										
21	30-Sep-14	8		11										
22	31-Oct-14	9		$9.00										
23	30-Nov-14	10		2										
24	31-Dec-14	11		$11.00										
25	31-Jan-15	12		$12.00										
26	28-Feb-15	13		$13.00										
27	31-Mar-15	14		14										

Name	Date Modified	Size	Kind
assignment_after_1.xlsx.xlsx	Today, 12:36 PM	32 KB	Micros...kbook
assignment_after_2.xlsx.xlsx	Today, 12:37 PM	32 KB	Micros...kbook

Plagiarism Detection

Hidden Watermark Check (Directly displayed in the report, false means plagiarism detected);

Track Change History is shown when you check respectively in the assignment file.

	A	B	C	D	E	F	G	H	I
1	AMORTIZATION TABLE			Name	eee				
2	30-year fixed-rate mortgage								
3									
4	Initial Loan Amount		$1,000,00						
5	Interest Rate		6.						
6	Term in Years								
7	Origination Date		15-Ja						
8	Interest Accrual Days								
9	Interest Accrual		$ 2,66						
10	PSA		1						
11	Servicing Fee		0.						
12	Pass-through Rate		5						
13									
14									
15	Date	End of Month	CPR						Prepayment
16	31-Jan-14	0	0						$ -
17	28-Feb-14	1	0.00						$166.65
18	31-Mar-14	2	0.00						$333.22
19	30-Apr-14	3	0.00						$499.63
20	31-May-14	4	0.00						$665.77
21	30-Jun-14	5	0.01						$831.58
22	31-Jul-14	6	0.01						$996.96
23	31-Aug-14	7	0.01						$1,161.82
24	30-Sep-14	8	0.01						$1,326.09
25	31-Oct-14	9	0.018000	0.001513	$985,927.82	$5,959.44	$4,929.64	$1,029.80	$1,489.68
26	30-Nov-14	10	0.020000	0.001682	$983,408.35	$5,950.42	$4,917.04	$1,033.38	$1,652.49
27	31-Dec-14	11	0.022000	0.001852	$980,722.47	$5,940.41	$4,903.61	$1,036.80	$1,814.46
28	31-Jan-15	12	0.024000	0.002022	$977,871.22	$5,929.41	$4,889.36	$1,040.05	$1,975.49
29	28-Feb-15	13	0.026000	0.002193	$974,855.67	$5,917.42	$4,874.28	$1,043.14	$2,135.50
30	31-Mar-15	14	0.028000	0.002364	$971,677.04	$5,904.44	$4,858.39	$1,046.06	$2,294.40
31	30-Apr-15	15	0.030000	0.002535	$968,336.58	$5,890.49	$4,841.68	$1,048.80	$2,452.12
32	31-May-15	16	0.032000	0.002707	$964,835.65	$5,875.55	$4,824.18	$1,051.37	$2,608.58
33	30-Jun-15	17	0.034000	0.002878	$961,175.70	$5,859.65	$4,805.88	$1,053.77	$2,763.68
34	31-Jul-15	18	0.036000	0.003051	$957,358.25	$5,842.78	$4,786.79	$1,055.99	$2,917.36
35	31-Aug-15	19	0.038000	0.003223	$953,384.90	$5,824.96	$4,766.92	$1,058.03	$3,069.54
36	30-Sep-15	20	0.040000	0.003396	$949,257.33	$5,806.18	$4,746.29	$1,059.90	$3,220.13
37	31-Oct-15	21	0.042000	0.003569	$944,977.30	$5,786.47	$4,724.89	$1,061.58	$3,369.06
38	30-Nov-15	22	0.044000	0.003743	$940,546.66	$5,765.81	$4,702.73	$1,063.08	$3,516.26

Highlight Changes

☑ Track changes while editing. This also shares your workbook.

Highlight which changes
- ☐ When: All
- ☐ Who: Everyone
- ☐ Where:

☐ Highlight changes on screen   ☑ List changes on a new sheet

Cancel   OK

Proofing | Comments | Protection | Share

ABC Spelling | New | Delete | Previous | Next | Show | Show All | Sheet | Workbook | Passwords | Permissions | Share Workbook | Track Changes | Update File

A2 | fx | 1

	A	B	C	D	E	F	G	H	I	J	K	L
1	Action Number	Date	Time	Who	Change	Sheet	Range	New Value	Old Value	Action Type	Losing Action	
2	1	8/26/15	9:45 PM	Liu Xiao	Cell Change	Amortization Table	M34	$11.00	'=H34+I34+L34			
3	2	8/26/15	9:45 PM	Liu Xiao	Cell Change	Amortization Table	M41	$11.00	'=H41+I41+L41			
4	3	8/26/15	9:46 PM	Liu Xiao	Cell Change	Amortization Table	E1	sss	<blank>			
5	4	8/26/15	9:46 PM	Liu Xiao	Cell Change	Amortization Table	E1	eee	sss			
6												
7	The history ends with the changes saved on 8/26/2015 at 9:46 PM.											
8												
9												
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