



CIS 341

# ASSIGNMENT 4

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April 3, 2017



1. Create a list of tasks that need to be completed for the new information system based on the information given in the case. Organize your list by estimating how long it will take to complete each task, and list each task's predecessor task or tasks. Use Figure 3-30 or 3-31 from the text as examples.

Task List:

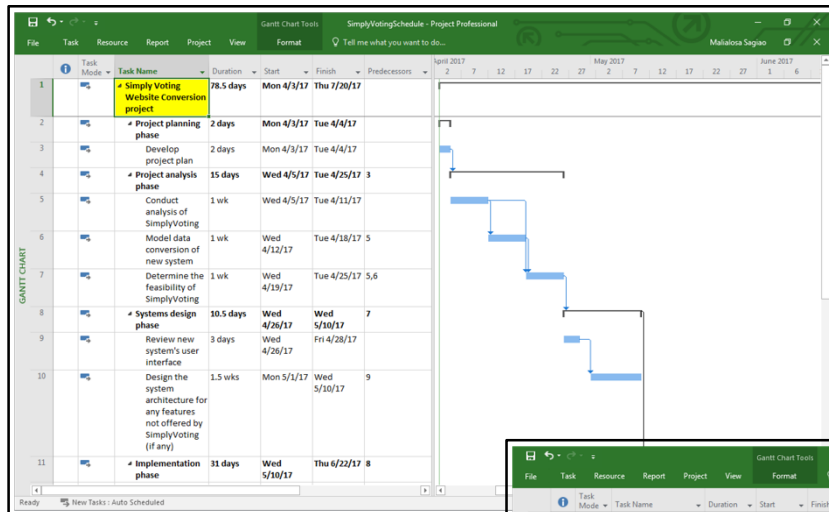
<See SimplyVotingSchedule.mpp for detailed task list>

Order	Name	Duration	Start	End	Predecessors
1	Develop project plan	2 days	4/3/17	4/4/17	
2	Conduct analysis of SimplyVoting	1 week	4/5/17	4/11/17	1
3	Model data conversion of new system	1 week	4/12/17	4/18/17	2
4	Determine feasibility of SimplyVoting	1 week	4/19/17	4/25/17	2, 3
5	Review new system's user interface	3 days	4/26/17	4/28/17	4
6	Design the system architecture for any features not offered by SimplyVoting (if any)	1.5 weeks	5/1/17	5/10/17	5
7	Configure the new system	2 weeks	5/10/17	5/24/17	6
8	"Go live"	1 day	5/24/17	5/25/17	7
9	Train users with new system	1 month	5/25/17	6/22/17	8
10	Review the ongoing support of the new system as it's hosted by SimplyVoting	1 month	6/22/17	7/20/17	8, 9

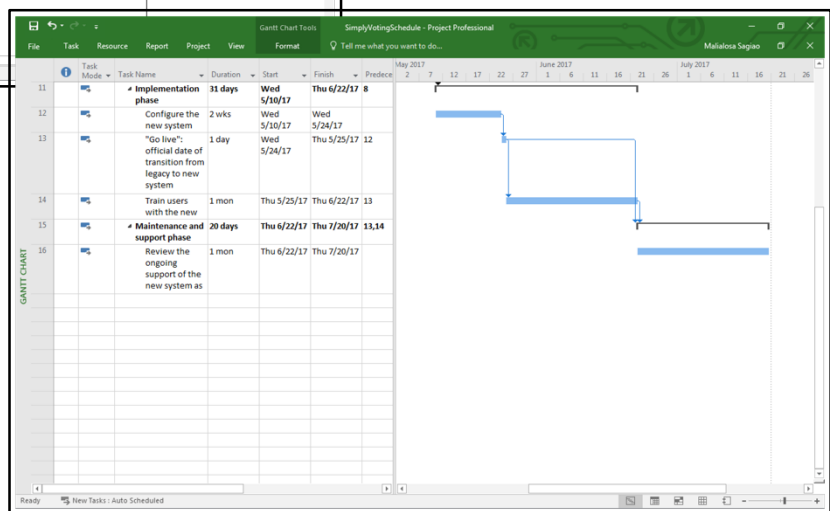
Screenshot of  
SimplyVotingSchedule.mpp  
exported to Excel file:

SimplyVotingSchedule.xlsx

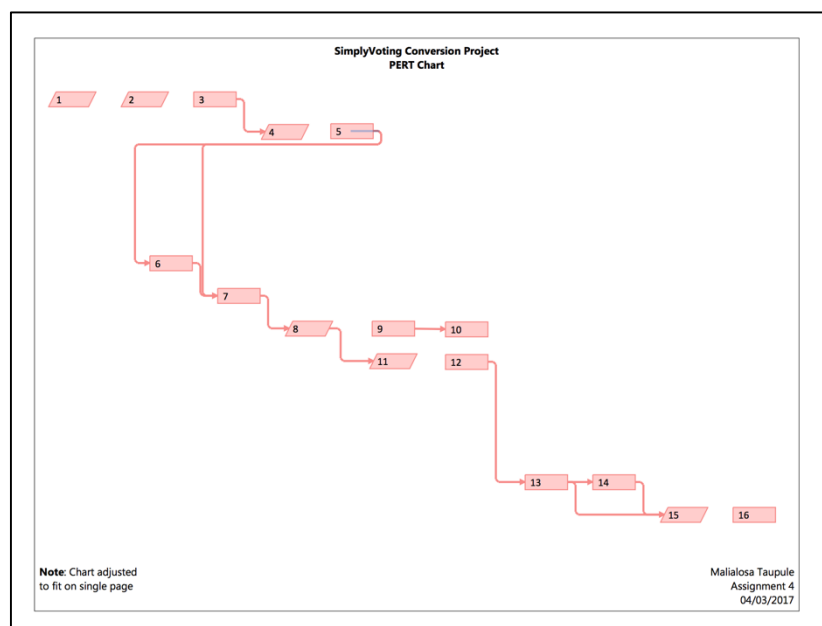
ID	Active	Name	Duration	Start	Finish	Predecessors	Outline Level
1	Yes	Simply Voting Website Conversion project	78.5 days	April 3, 2017 8:00 AM	July 20, 2017 12:00 PM		1
2	Yes	Project planning phase	2 days	April 3, 2017 8:00 AM	April 4, 2017 5:00 PM		2
3	Yes	Develop project plan	2 days	April 3, 2017 8:00 AM	April 4, 2017 5:00 PM		3
4	Yes	Project analysis phase	15 days	April 5, 2017 8:00 AM	April 25, 2017 5:00 PM		4
5	Yes	Conduct analysis of SimplyVoting (our target host)	1 wk	April 5, 2017 8:00 AM	April 11, 2017 5:00 PM		5
6	Yes	Model data conversion of new system	1 wk	April 12, 2017 8:00 AM	April 18, 2017 5:00 PM		6
7	Yes	Determine the feasibility of SimplyVoting	1 wk	April 19, 2017 8:00 AM	April 25, 2017 5:00 PM	5, 6	7
8	Yes	Systems design phase	10.5 days	April 26, 2017 8:00 AM	May 10, 2017 12:00 PM		8
9	Yes	Review new system's user interface	3 days	April 26, 2017 8:00 AM	April 28, 2017 5:00 PM		9
10	Yes	Design the system architecture for any features not offered by SimplyVoting (if any)	1.5 wks	May 1, 2017 8:00 AM	May 10, 2017 12:00 PM		10
11	Yes	Implementation phase	31 days	May 10, 2017 1:00 PM	June 22, 2017 12:00 PM		11
12	Yes	Configure the new system	2 wks	May 10, 2017 1:00 PM	May 24, 2017 12:00 PM		12
13	Yes	"Go live": official date of transition from legacy to new system	1 day	May 24, 2017 1:00 PM	May 25, 2017 12:00 PM		13
14	Yes	Train users with the new system	1 mon	May 25, 2017 1:00 PM	June 22, 2017 12:00 PM		14
15	Yes	Maintenance and support phase	20 days	June 22, 2017 1:00 PM	July 20, 2017 12:00 PM	13, 14	15
16	Yes	Review the ongoing support of the new system as it's hosted by SimplyVoting	1 mon	June 22, 2017 1:00 PM	July 20, 2017 12:00 PM		16



Screenshots of MS Project file:  
**SimplyVotingSchedule.mpp**



Screenshot of PERT chart,  
all tasks are collapsed based  
on task ID.



2. Create a budget for the project showing how the new system will save money over 3 years' time. Show how much the cost will be for SimplyVoting.com for 800 voters and the number of voter's increases 10% a year.
  - a. **Note:** SimplyVoting calculations based on prices given by their price generator found on: <http://www.simplyvoting.com/pricing/> (determined by number of voters)
  - b. **Note:** Number of voters increase each year by 10%

System Costs Over 3 Years

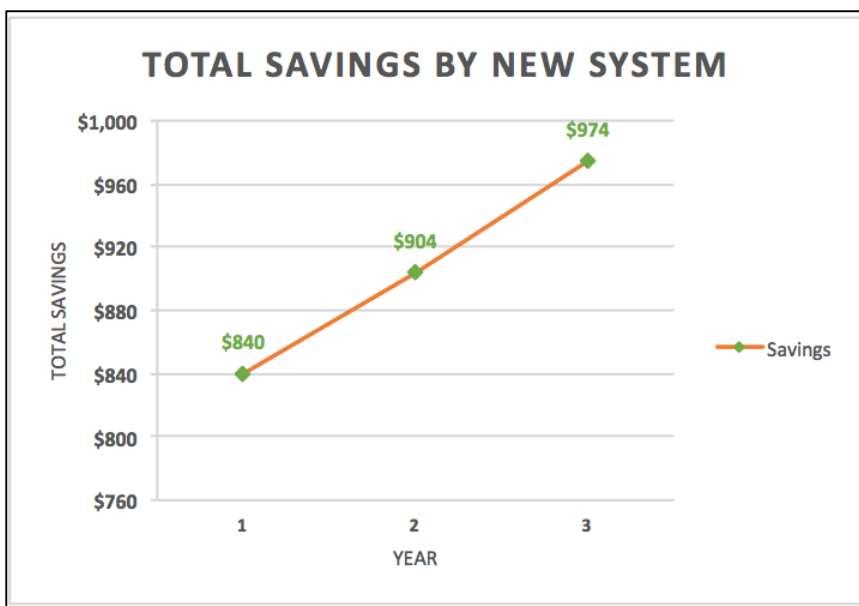
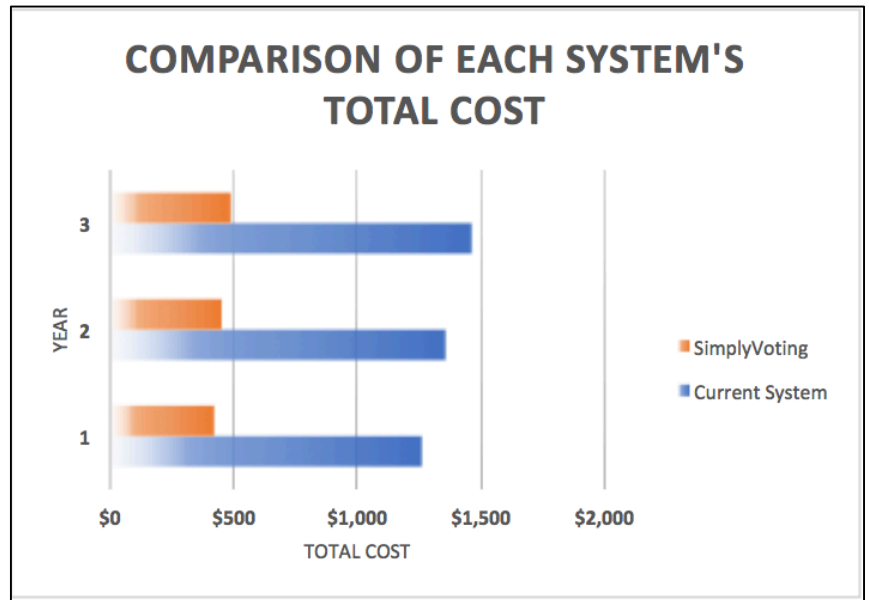
Year	Current system: Aged custom voting	New system: Voting hosted by SimplyVoting
1	\$ 1,260.00	\$ 420.00
2	\$ 1,356.00	\$ 452.00
3	\$ 1,461.60	\$ 487.20
<b>Total</b>	<b>\$ 4,077.60</b>	<b>\$ 1,359.20</b>

Savings From Transition to New System

Year	Savings
1	\$ 840.00
2	\$ 904.00
3	\$ 974.40
<b>Total</b>	<b>\$ 2,718.40</b>

Total Number of Voters per Year

Year	# of voters
1	800
2	880
3	968




















3. Prepare a comparison chart of 5 benefits (not including costs) of the cloud based system instead of the aged custom legacy voting system.

The main benefits of transitioning to SimplyVoting are:

1. Its Election Manager, which is a dashboard provided by the site to ease the process of creating questions, specifying dates, and other voting attributes. Also provided is SimplyVoting's Rapid Support department to assist the voter and/or ballot caster with any technological questions pertaining to the site.
2. The user (or ballot creator) is able to choose a voter authentication method, which can potentially increase the accuracy of the voting results. This would make it harder for an individual outside of the selected voters to skew the data.
3. An electronic tamper-proof ballot is provided to each voter. Once the voter has chosen his/her vote, he/she is blocked from voting in that particular election again, increasing the results' accuracy once again.
4. Once the election has ended, results are immediately tabulated. The user who created the election can view the results (along with various other result reports) before publishing them. Once published, the public are able to see the results.
5. SimplyVoting provides a specific report geared towards the voters to help them verify that their own vote was included and unchanged. This report contains all votes and receipt codes (which is emailed to each voter's email after he/she had voted). This is to reassure the voters that results are in fact accurate and that their individual vote was counted.

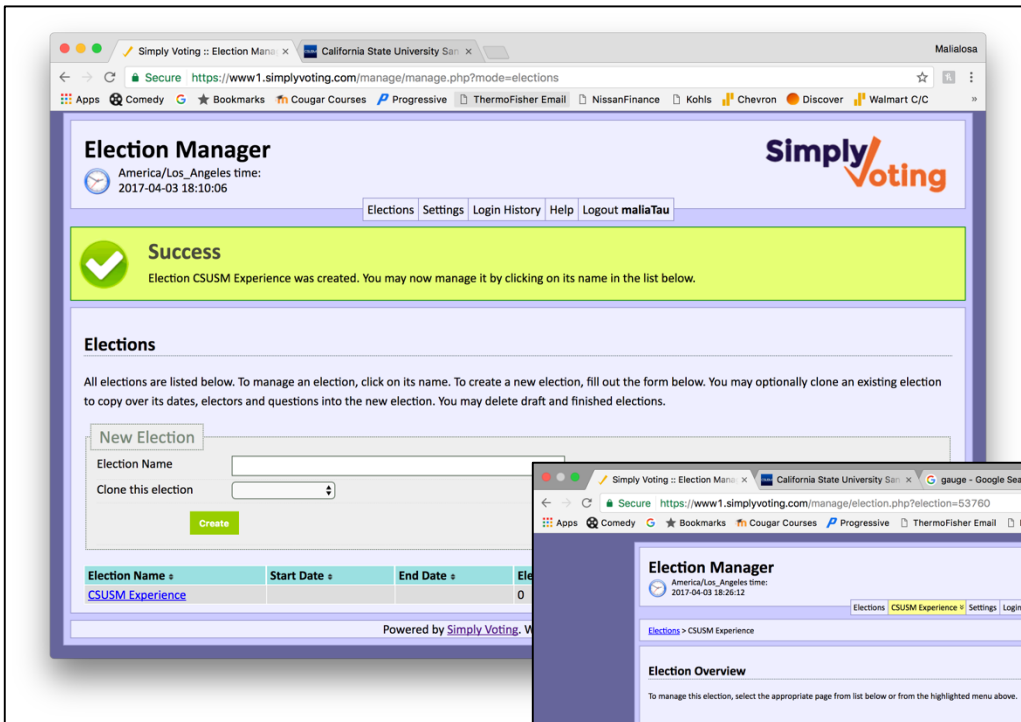
Comparison chart created on compareninja.com:

<See [SystemComparisonTable.html](#)>

	 Current Aged Custom Legacy Voting	 New System
 Election Manager and tech. support provided		
 Ability to choose voter authentication method		
 Online voter results dashboard provided		
 Secure tamper-proof electronic ballot provided		
 Voter accountability report provided to the public		

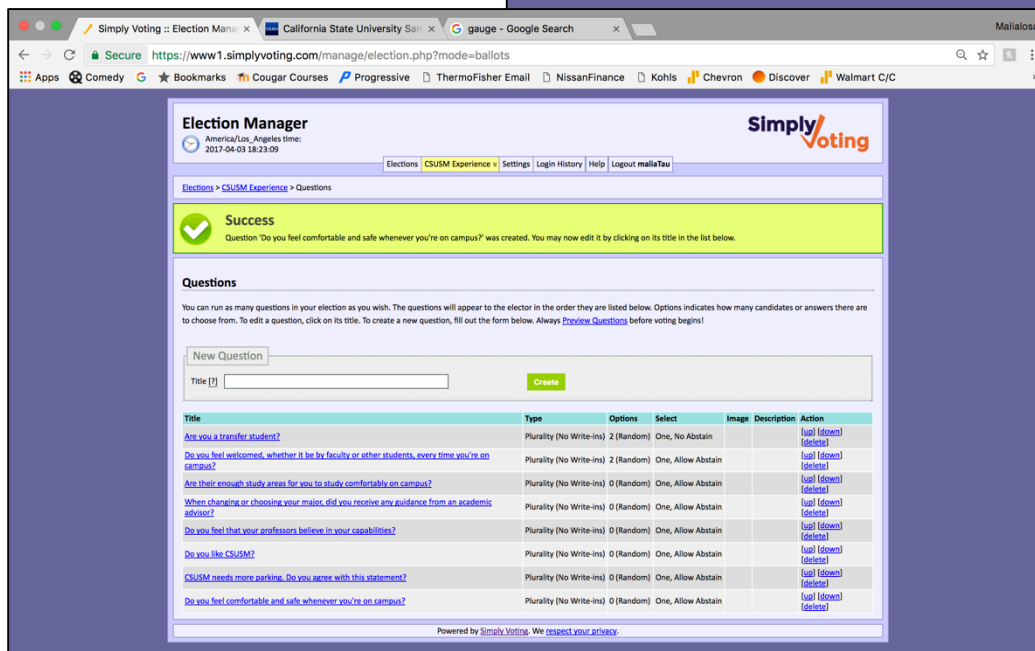
This table was created with [Compare Ninja](#).

- Using SimplyVoting.com, prepare a presentation of this assignment include screenshots of a prototype voting website showing the features of an example vote, costs and timeline.



- Election Manager:  
creating a new election is quick and easy! Just fill in the blanks and click create.

- Election Manger:  
View election details, whenever.



- Election Manager:  
Create questions, just as easy! Fill in the blanks to create each question, along with each option.

- 4.) Add voters and give each their own election ID and password to secure votes even more.

The screenshot shows the 'Election Manager' interface for 'America/US, Angeles time: 2017-04-03 18:24:47'. The page title is 'Simply Voting'. The main heading is 'Election Manager'. Below the heading, there is a 'Success' message: 'Elector 422 (Malia Tsoupile) was added.' The 'Electors' section contains a form to 'Add An Elector' with fields for 'Elector ID', 'Name', 'Email', and 'Password', and an 'Add' button. There is also a section for 'Add Electors From CSV File' with a 'Choose File' button and an 'Import' button. Below the form, there is a 'Find An Elector' section with a 'Search Term' field and a 'Search' button. At the bottom, there is a table of electors:

Elector ID	Name	Email	Valid Email	Password	Voted	Action
422	Malia Tsoupile	sagio01@cougars.csusm.edu	✓	422		Export (last 1000)

The table shows 1 result on 1 page. Below the table, there is a 'Download Electors CSV' link. The page is powered by 'Simply Voting. We respect your privacy.'

- 5.) Voter view:  
Voters vote on their own electronic ballot. Once done, just click submit and their answers are recorded.

The screenshot shows the 'Electronic Ballot - CSUSM Experience' form. The title is 'Electronic Ballot - CSUSM Experience'. The text below the title says: 'This election is created to poll CSUSM students of their specific experience at CSUSM. This survey will ask various questions to gauge the students' of their favorable and/or unfavorable experiences. The results will be used by admin to decide future improvements pertaining to student affairs.' The form contains three questions:

**Are you a transfer student?**  
This question is required. You may select one of the following.

☒ Yes  
☐ No

**Do you feel welcomed, whether it be by faculty or other students, every time you're on campus?**  
This question is optional. You may select one of the following.

☒ Yes  
☐ No

**Are there enough study areas for you to study comfortably on campus?**  
This question is optional. You may select one of the following.

☐ Yes  
☐ No