CMPE 202 Meeting #3

Meeting Agenda:
- Draft backlog and breakdown requirements (draft with testable scenarios in mind)
- Discuss Express.js and MERN stack
- Establish timelines for backend and frontend with DB setup/initialization
- Discuss DB Schema
- Postman API
- Daily Standup meeting setup (asynchronous)
- Where are we hosting all this? AWS? Azure? Google Cloud? BlueHost?
- Setup of Express.js and Node.js in the git repo
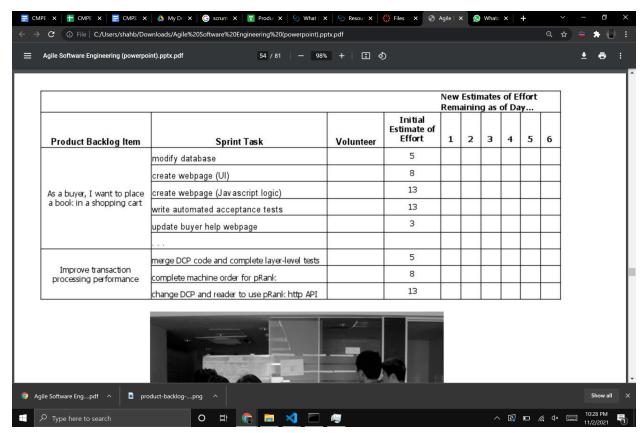
Meeting Discussion:
- Finish backend by the end of the week
    - Split backend classes amongst devs
- DB required for:
    - Users (by extension Customers and Employees; with added isEmployee attribute in DB), Flights
- Postman is an API tester (we can do this with the DB Setup)
- Status updates in whatsapp group (Started working…, stopped working…)
    - Update user story status/ progress on google sheets once a task is completed
- A.W.S. with standalone mongoDB native app support; Aditya can use AWS student credentials
- **Bonus Goal:** Setup and initialize mongoDB if finished with backend coding
- Work on our own pace/ define and update backlog for assigned/taken classes till Friday (~Sunday)

    - Aditya: User - Login and Logout
    - Saumil: Customer and Employees
    - Derian: Airline and Seat
    - Shahbaz: Flight (~Seat)
- Aditya can init and setup git for express and node.js

Examples of Product/project backlog:

ID	As a…	I want to be able to…	So that…	Priority	Sprint	Status
		PRODUCT BACKLOG EXAMPLE				
1	Administrator	see a list of all members and visitors	I can monitor site visits	Must	1	Done
2	Administrator	add new categories	I can allow members to create engaging content	Must	1	Done
3	Administrator	add new security groups	security levels are appropriate	Must	1	Done
4	Administrator	add new keywords	content is easy to group and search for	Must	1	Done
5	Administrator	delete comments	offensive content is removed	Must	1	Done
6	Administrator	block entries	competitors and offenders cannot submit content	Must	1	Done
7	Administrator	change site branding	the site is future-proofed in case brand changes	Could	1	Done
8	Member	change my password	I can keep secure	Must	1	Done
9	Member	update my contact details	I can be contacted by Administrators	Must	2	Work in Progress
10	Member	update my email preferences	I'm not bombarded with junk email	Should	2	Work in Progress
11	Member	share content to social networks	I can promote what I find interesting	Could	2	Work in Progress
12	Visitor	create an account	I can benefit from member discounts	Must		To be started
13	Visitor	login	I can post new entries	Must		To be started
14	Visitor	add comments	I can have a say	Must		To be started
15	Visitor	suggest improvements	I can contribute to the site usability	Should		To be started
16	Visitor	contact the Administrators	I can directly submit a query	Could		To be started
17	Visitor	follow a member's updates	I'm informed of updates from members I find interesting	Should		To be started
18	Visitor	view a member's profile	I can know more about a member	Must		To be started
19	Administrator	generate incoming traffic report	I can understand where traffic is coming from	Must		To be started

src: https://www.techno-pm.com/2016/09/product-backlog-excel-template.html

- User Stories: can also consult "Agile Software Engineering.ppt" from class files; slides 27 - 32
- Product Backlog: can consult "Agile Software Engineering.ppt" from class files; Slide 48 - 55 (**Especially: slide 54**)

Product Backlog Item	Sprint Task	Volunteer	Initial Estimate of Effort	New Estimates of Effort Remaining as of Day...					
				1	2	3	4	5	6
As a buyer, I want to place a book in a shopping cart	modify database		5						
	create webpage (UI)		8						
	create webpage (Javascript logic)		13						
	write automated acceptance tests		13						
	update buyer help webpage		3						
	. . .								
Improve transaction processing performance	merge DCP code and complete layer-level tests		5						
	complete machine order for pRank		8						
	change DCP and reader to use pRank http API		13						

Src: Slide 54 from "Agile Software Engineering.ppt"

Node.js and Express.js setup on windows machines with VS Code:

Url: https://code.visualstudio.com/docs/nodejs/nodejs-tutorial