CENG 499

Worklog #3

air.auth

By:
Group Number: 6
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Week	User	Task	Progress	Time Spent
1	Mishra			
		(Group Meeting) Topic discussion	Complete	~ 4 hours
	Cole			
		(Group Meeting) Topic discussion	Complete	~ 4 Hours
	Conrad			
		(Group Meeting) Topic discussion	Complete	~ 4 Hours
Week	User	Task	Progress	Time Spent
2	Mishra			
		Reasearch feasibility of Leap Motion	Complete	4 Hours
		(Group Meeting) Project decision	Decided on leap motion hand authentication	2 Hours
	Cole			
		Research possible competition	Complete	4 Hours
		(Group Meeting) Project decision	Decided on leap motion hand authentication	2 Hours
	Conrad			
		Research techniques to uniquely identify hands	Complete	4 Hourse
		(Group Meeting) Project decision	Decided on leap motion hand authentication	2 Hours
Week	User	Task	Progress	Time Spent
3	Mishra			
		UI initial design	Initial user flow complete	4 Hours
		(Group Meeting) Initial implementation of dummy Chrome extension	Dummy Chrome extension running	2 Hours
		(Group Meeting) Progress Report 1	Complete	3 Hours
	Cole			
		UI initial design	Initial user flow complete	4 Hours

		(Group Meeting) Initial implementation of dummy Chrome extension	Dummy Chrome extension running	2 Hours
		(Group Meeting) Progress Report 1	Complete	3 Hours
	Conrad			
		(Group Meeting) Initial implementation of dummy Chrome extension	Dummy Chrome extension running	2 Hours
		(Group Meeting) Progress Report 1	Complete	3 Hours
Week	User	Task	Progress	Time Spent
4	Mishra			
		(Group Meeting) Analysis of data available from Leap Motion	Decided on important data points to gather from Leap Motion	4 Hours
		(Group Meeting) First presentation preparation	Presentation complete	3 Hours
		Presentation	Presentation well received	3 min
	Cole			
		(Group Meeting) Analysis of data available from Leap Motion	Decided on important data points to gather from Leap Motion	4 Hours
		(Group Meeting) First presentation preparation	Presentaiton complete	3 Hours
		Presentation	Presentation well received	3 min
	Conrad			
		(Group Meeting) Analysis of data available from Leap Motion	Decided on important data points to gather from Leap Motion	4 Hours
		(Group Meeting) First presentation preparation	Presentation complete	3 Hours
		Presentation	Presentation well received	3 min
Week	User	Task	Progress	Time Spent
5	Mishra			
		Created the Node.js infrastructure	Running - Some endpoints completed	2.5 Hours

		Created a new Node.js application(Air.Compute)	Complete	1.5 Hours
		Created unique password encryption and decryption	Complete	3 Hours
		Configured MariaDB and Redis for the API	Complete	2.5 Hours
	Cole			
		Configured aircompute development environment	Complete	1 Hour
		Prototyped gesture recording	Initial impression looks promising	3 Hours
		Information gathering and discussion on current API structure	Complete	1 Hour
	Conrad			
		Configured aircompute development environment	Complete	1 Hour
		Created IndexedDB for data storage within Chrome extension	Complete	4 Hours
		Implement Hand data extraction and storage within extension	Complete	3 Hours
		Information gathering and discussion on current API structure	Complete	1 Hour
Week	User	Task	Progress	Time Spent
6	Mishra			
		Created user sign up and API registration endpoints	Complete	0.5 Hour
		Implemented Chrome extension ajax calls to the API end points	Complete	1.5 Hours
		(Group Meeting) Analysis of accuracy of hand dimension	Identified certain measurements that were consistent	3 Hours
		(Group Meeting) Discussion of possible relationships to uniquely identify hands	Identified some relationships - more testing needed to determine accurary	3 Hours
		(Group Meeting) Second presentation preparation	Complete	2 Hours

		Second Presentation	Complete - Ran a little over time	3 min	
	Cole				
		(Group Meeting) Analysis of accuracy of hand dimension	Identified certain measurements that were consistent	3 Hours	
		(Group Meeting) Discussion of possible relationships to uniquely identify hands	Identified some relationships - more testing needed to determine accurary	3 Hours	
		(Group Meeting) Second presentation preparation	Complete	2 Hours	
		Second Presentation	Complete - Ran a little over time	3 min	
	Conrad				
		Created Dynamic graphs from hand data to view consistency	Complete - Used in presentation	2 Hours	
		(Group Meeting) Analysis of accuracy of hand dimension	Identified certain measurements that were consistent	3 Hours	
		(Group Meeting) Discussion of possible relationships to uniquely identify hands	Identified some relationships - more testing needed to determine accurary	3 Hours	
		(Group Meeting) Second presentation preparation	Complete	2 Hours	
		Second Presentation	Complete - Ran a little over time	3 min	
Week	User	Task	Progress	Time Spent	
7	Mishra				
		Progress Report #2	Completed	1 Hour	
		Integrated Conrad's changes to main Air.Spring project	Completed	3.5 Hours	
	Cole				
		Research into impletementing baysian classifer on data	Complete	3 Hours	
		Progress Report #2	Completed	1 Hour	

	Conrad			
		Initial calculation for angles between bone position and bone directions	Initial impression is that the angles are not very consisten more analysis is needed.	4 Hours
		Progress Report #2	Completed	1 Hour
		Initial work on passing hand data to server through api end points	Early Stages	

Week	User	Task	Progress	Time Spent
8	Mishra			
		Worked on Cookie Management	Research Complete	1.5 Hours
		Created new API endpoints for creating and editing websites	Completed	2.5 Hours
	Cole			
		Meeting with Project Supervisor	Complete	1 Hour
		Discussion and design implementation of password manager encryption procedures	Design Completed	1 Hour
	Conrad			
		Meeting with Project Supervisor	Completed	.5 Hours
		Completetion of hand registration scanning and averaging	Completed	5 Hours
		Discussion and design implementation of password manager encryption procedures	Design Completed	1 Hour
		Initial work on hand detection screen and hand data encryption	Early Stages	1 Hour

Week	User	Task	Progress	Time Spent
9	Mishra			
		Redis Setup and Initialization	All tables set-up	5 hrs
		Session Planning	Specifics have been finalized	5 hrs
		Front end templates	All templates finished	5 hrs
	Cole	Front end templates	All templates finished	10 hrs
		Backen end routes	Initial route planning	5 hrs
	Conrad	Front end templates	All templates finished	10 hrs
		Backen end routes	Initial route planning	5 hrs

Week	User	Task	Progress	Time Spent
10	Mishra			
		Account Management Backend	All routes created	10 hrs
		Encryption / Hashing	AES / SHA implemented	5 hrs
	Cole	MySQL	All tables created	5 hrs
		Encryption / Hashing	AES / SHA implemented	5 hrs
		Site Management Backend	All routes created	5 hrs
	Conrad			
		Authentication exploration	checked angles, ratios, gestures	15 hrs

Week	User	Task	Progress	Time Spent

11	Mishra			
		Session Management	All 3 Cookies implemented	5 hrs
		Hand authentication	Authentication Working	10 hrs
		Debugging	All majors cases checked	10 hrs
	Cole	Site Management Backend	All Routes Complete	15 hrs
		Debugging	All majors cases checked	10 hrs
	Conrad			
		Hand authentication	Authentication Working	10 hrs
		Site U/P auto-population	Complete	5 hrs
		Debugging	All majors cases checked	10 hrs

Week	User	Task	Progress	Time Spent
12	Mishra			
		Final Report Writing	Complete	15 hrs
		Product Website Creation	Complete	5 hrs
	Cole			
		FInal Report Writing	Complete	20 hrs
	Conrad			
		Final Report Writing	Complete	20 hrs