

<b>Team Members:</b>	Andrea M, Eliana P, Rahul K
<b>Description of Need:</b>	Design and build a device to prevent the client's head from slipping around or under the headrest.

#	Requirement Type	Requirement Statement	Level	Design 1	Design 2	Design 3	Design 4/5/6 (Current)	Design 7
1	User	The device shall be safe for the client to use.	1	Yes	Yes	Yes	Yes	Yes
2	User	The device shall be easy to clean.	2	Yes	Yes	Yes	Yes	Yes
3	User	The device shall cost under \$125 to make.	3	Yes	Yes	Yes	Yes	Yes
4	Functional	The device shall be easy to remove.	1	Yes	Yes	Yes	Yes	Yes
5	Functional	The device shall be highly effective, thus keeping the client's head upright and preventing her head from slipping underneath the device.	1	Maybe	Maybe	Maybe	Yes	Yes
6	Functional	The design shall be very reliable.	1	Yes	Yes	Maybe	Yes	Yes
7	Functional	The device shall be highly durable over time.	1	Yes	Yes	No	Yes	Yes
8	Functional	Materials used to create the device must be strong enough to withstand the client's pressure exertion.	1	Yes	Yes	Maybe	Yes	Yes
9	Functional	The device shall be easily adjustable.	2	Yes	Yes	Yes	Yes	Yes
10	Functional	The device shall be easy to repair.	2	Yes	Yes	Yes	Yes	Yes
11	Functional	The device shall be easy to recreate and rebuild.	2	Maybe	Maybe	Yes	Maybe	Maybe
12	Functional	The device shall be easy to set up.	2	Yes	Yes	Yes	Yes	Maybe
13	Physical	The device shall be comfortable for the client.	1	Maybe	Maybe	Yes	Yes	Yes
14	Physical	The device shall contain a maximum of 3 different neutral colors.	3	Yes	Yes	Yes	Yes	Yes
15	Physical	The device uses less than 4 materials.	3	No	No	Yes	No	No

Design 1 is a fixed headrest  
 Design 2 is similar to a neck brace  
 Design 3 is similar to a travel pillow with chest straps  
 Design 4/5/6 are shoulder supports  
 Design 7 will be made over the summer out of springs/hydraulics