Usability-Te Demographic	st for Forna_Clustering Questions	
Age		
Sex	male	
	female	
Profession		
helps us to ide Should any of ask the test pe	r thoughts while doing the tasks, sucht that we can evaluate your thou ntify confusing parts of the application and improve on them. the task descriptions be unclear or you are not sure how to accomplise sonnel. alk to other subjects during the test such that there is no bias introduce	h the task please
visualizations visualizations previous step The goal of th visualizations	astering app serves to visualize the results of different RNA secondary produced by Forna according to their properties, in order to find siming These similarities could be input parameters as well as the penalty so before the clustering. It is application is to facilitate the selection of appropriate parameter series of RNA structures of a particular length. In the series of the country of the selection of appropriate parameter series and structures of a particular length.	larities between cores calculated in a
yes	Which ones?	
<u>no</u>		
What would y	ou expect of a visualization software described above?	

Please don't forget to note the thoughts you have while processing the task. Write down steps that you take, and even steps that you attempted to make but that did not lead to successful completion of the task. Task 1: You have a dataset containing thousands of visualizations with their corresponding penalty values. Please upload the dataset (penalties.csv) and cluster the data by choosing the penalties overlaps, position and stretches. Then go ahead and upload (results.csv) to look at the visualization. Try to find groups of visualizations that are particularly good according to their penalty values using the different graphs.
Which graph(s) have you chosen to complete your task?
Did you find the steps you chose intuitive, did they make sense?
yes
<u>no</u>
Did the app help you to accomplish your task successful? Did the app make any of the steps difficult for you to accomplish?
yes Which steps did you find to be difficult?

no
Task 2: You have a dataset containing thousands of visualizations after clustering over the penalty values . Please upload the dataset. Then chose appropriate weights for the penalties, such that you would see something you find interesting. Select a cluster which contains good visualizations. Try to use the heatmap-matrix and the parallel coordinates diagram to find one or more visualizations that you find qualitatively good. Look for visualizations that satisfy your requirements in terms of the parameters (friction, etc.).
Did you find the steps you chose intuitive, did they make sense?
yes
no
Did the app help you to accomplish your task successful? Did the app make any of the steps difficult for you to accomplish?
yes Which steps did you find to be difficult?
·
no

Task 3:

You have a dataset containing thousands of visualizations after clustering over the penalty values. Please load the dataset. This time set all weights for the penalties to be the same.

Select any cluster of your choice to filter the data. Maximize one of the heatmaps. Possibly one that you find interesting. Select the x-axis of a input parameter of your choice and one penalty value for the y-axis which are contained in the selected cluster. Find out which value of the input parameter would be optimizing a particular penalty.

Filter the parameters, such that the best possible penalties remain. Search the filtered dataset for a suitable visualization.

Did you find the steps you chose intuitive, did they make sense?					
yes					
<u>no</u>					
		sh your task successful? s difficult for you to accomplish?			
yes	Whi	ich steps did you find to be difficult?			
<u>no</u>					

Concluding questions on the app

	I agree		I somewhat I disagree
Гhe app is easy to use.	fully	somewhaindifferent	disagree completely
Γhe app is easy to understand.			
The memory load on the user is minimal.			
It is apparent what the app was supposed to d	lo.		
Гhe GUI is appealing.			
The app makes sense.			
Would you use this app?			
yes no	Why?		
Was it easy to navigate?			
yes no	Why?		
What did you like best?			
What did you like best.			

What did you dislike about the app?					
Which function do you think is missing?					
What improvements would you suggest?					
If you know any comparable apps:					
Do you like the app better than the one you already knew?					
yes no Why?					