SE 315 – SOFTWARE PROJECT MANAGEMENT
REQUIREMENTS DOCUMENT

PROJECT NAME: BrightBorn

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REQ. #	FUNCTIONAL REQUIREMENTS
1	Users shall be able to register and login to the system with their ID and password via a log in page
2	There should be a 'Forgot my password' option
3	User shall be able to upload one text file for each parent which includes their DNA code in 'fatsa' format
4	The staff shall have their ID and password
5	The program shall be able to implement the crossing-over process
6	The output should be given as a report including possibilities of desired diseases
7	In result report the mutant parts of the gene should be shown to the user with red color
8	During maintenance, the system should warn the users and should be closed for them
9	The staff shall be able to access to the database and may add new clinical data

REQ. #	NON-FUNCTIONAL REQUIREMENTS
1	Run time should not exceed 2-3 min
2	The program shall be based on local storage and database design should allow the changes
3	A user's data should only be accessed by the same user's ID and password
4	The program should be runnable by 500-2250 processors
5	The system shall be accessible for multiple users at the same time
6	The design and report should be easily understandable by general knowledge and user-friendly