User Stories

ⓘ **Size Estimation**

Large - 2 Weeks
Medium - 1 week
Small - 2/3 days

ⓘ **Personas**

Jonathan Bryant - Administrator

Rachel Perez - Academic Researcher

Ayanda Issa - Study Participant

Song Jie - Possible Synaesthete

Epic ID	Epic	User Story ID	As	I want to	So that	Size Estimation	MoSCoW Priority	Justification
SE-83	Manage Test	SE-84	Jonathan Bryant (Administrator)	Create new tests	I can manage the system and maintain the tests in a methodical and coherent manner.	Medium	Should have	Size Estimation: Basic and core functionalities needed for the web application but can be further divided into smaller components. MoSCoW Priority: Fundamental requirement for administrator to be able to customise the synaesthesia test. Crucial functionality collecting the data accurately and timely.
		SE-95	Jonathan Bryant (Administrator)	Update existing tests		Medium		
		SE-94	Jonathan Bryant (Administrator)	Preview the tests		Small		
		SE-95	Jonathan Bryant (Administrator)	Delete existing tests		Small		
SE-86	Verify account information	SE-97	Jonathan Bryant (Administrator) Ayanda Issa (Study Participant) Song Jie(Possible Synaesthete)	Create an account	I can be authenticated on the system.	Small	Must have	Size Estimation: This will be a basic create account page. The required input will vary for each type of user. MoSCoW Priority: Fundamental requirement for researchers to access the system.
		SE-98	Jonathan Bryant (Administrator) Ayanda Issa (Study Participant) Song Jie(Possible Synaesthete)	Login into the account	I can access all the features and save my information in the system.	Small	Must have	Size Estimation: This is a basic function. A simple "login" page will work fine. MoSCoW Priority: Fundamental requirement for researchers to analyse the synaesthesia test.
SE-87	Analyse test results	SE-99	Jonathan Bryant (Administrator)	Filter results by user demographics	I can enhance my understanding and analyse relevant data for my thesis	Large	Should have	Size Estimation: There are multiple parameters for filtering to provide valuable insight into the distribution and the prevalence of synaesthesia, which means the potential scale of study and data needed to be collected would be large. MoSCoW Priority: Essential to get more accurate conclusions and improve external validity.

		SE-100	Jonathan Bryant (Administrator)	View specific user results	I can identify unique patterns, correlations and variances, which helps to validate or refute our hypotheses and explore new research directions.	Medium	Must have	Size Estimation: The page will need to be able to display all responses from the specific user and present charts based on those responses. MoSCoW Priority: Critical function conducting a synaesthesia study, allowing to identify unique patterns, variances, and correlations.
		SE-121	Jonathan Bryant (Administrator)	Export specific user results	I can conduct a detailed analysis of the data and share it with other stakeholders.	Medium	Could have	Size Estimation: An extensive functionality required by the administrator to conduct a more nuanced analysis. It has moderate importance to achieve the study's objectives. MoSCoW Priority: Advantageous in providing a deeper understanding of the data but not always required because it needs to depend on the resources and analytical tools available.
SE-88	Notificat ions for test submiss ions	SE-101	Jonathan Bryant (Administrator), Rachel Perez (Academic Researcher)	Receive notification s about test submissions	I can expand the range of participants for research and gain further insight into the potential phenomenon	Medium	Could have	Size Estimation: Required to implement a feature capable of sending an email at the participant's request. MoSCoW Priority: Crucial to have a diverse and representative sample of participants to ensure reliable and valid findings.
SE-89	Particip ate in test	SE-115	Ayanda Issa (Study Participant) Song Jie(Possible Synaesthete)	Add my researcher details	I can connect with researchers, receive updates on studies and events, and facilitate closer relationships with them.	Small	Must have	Size Estimation: A basic dropdown menu on the create account page would work fine. MoSCoW Priority: Essential to establish a closer relationship between researchers and synaesthetes, and facilitate future collaboration.
		SE-116	Ayanda Issa (Study Participant) Song Jie(Possible Synaesthete)	Enter input as drawings	I can express my experiences in a variety of ways that better capture the potential perceptions.	Large	Must have	Size Estimation: Would need to implement a sufficient drawing interface, a text box, and a colour picker. It should require adequate investment of design, time and resources. MoSCoW Priority: Essential to improve the accuracy and richness of the data collected, and can ultimately lead to a more comprehensive understanding of synaesthesia.
		SE-117	Ayanda Issa (Study Participant) Song Jie(Possible Synaesthete)	Enter input as text		Medium	Must have	
		SE-118	Ayanda Issa (Study Participant) Song Jie(Possible Synaesthete)	Enter input as colours		Medium	Must have	
		SE-119	Ayanda Issa (Study Participant) Song Jie(Possible Synaesthete)	Use AI to generate images from text	I can get a visual representation of the unique experience and enhance my understanding of it.	Large	Could have	Size Estimation: Will be required to search for a suitable external API to generate images with AI from text. Essential to implement the main functionality and needs accuracy. Substantial investment of time and specialised knowledge is demanded. MoSCoW Priority: It can potentially increase public awareness and understanding but it is still a developing technology not yet widely available or established for studying synaesthesia.
SE-90	Check test results	SE-103	Ayanda Issa (Study Participant) Song Jie(Possible Synaesthete)	View simple test results	I can gain a more comprehensive and nuanced understanding of my own synaesthetic experience.	Medium	Must have	Size Estimation: The participants need to be able to view their test results. The time and resources required to implement a simple results viewing feature are low. MoSCoW Priority: Fundamental requirement to identify patterns and variances of their synaesthetic experience.

		ID	Role	Action	User Story	Size	MoSCoW	Notes
		SE-114	Ayanda Issa (Study Participant) Song Jie(Possible Synaesthete)	Receive comprehensive results email	I can get detailed insights into my synaesthetic experience, enhancing my self-awareness.	Medium	Should have	Size Estimation: An important feature for functionality. To present comprehensive results a more complex algorithm may be needed to compute this. MoSCoW Priority: Important to promote the participant satisfaction, and beneficial to potentially deeper understanding of synaesthesia.
SE-85	Learn About Synaesthesia	SE-96	Song Jie(Possible Synaesthete)	View common symptoms	I can explore my potential synaesthetic inclinations.	Small	Could have	Size Estimation: Beneficial for potential participants to gain an insight into common symptoms of synaesthesia, but not a critical aspect of the application. MoSCoW Priority: Important to increase public interest and participation in the study
		SE-120	Song Jie(Possible Synaesthete)	View diagnosis tools	I can identify and validate my synaesthetic experiences more accurately.	Small	Could have	Size Estimation: Has potential usefulness but may not be necessary for all participants, so it should require less development effort and resources. MoSCoW Priority: Useful but not mandatory or guaranteed to enhance participants' understanding of their synaesthesia.