

## Ideation Phase

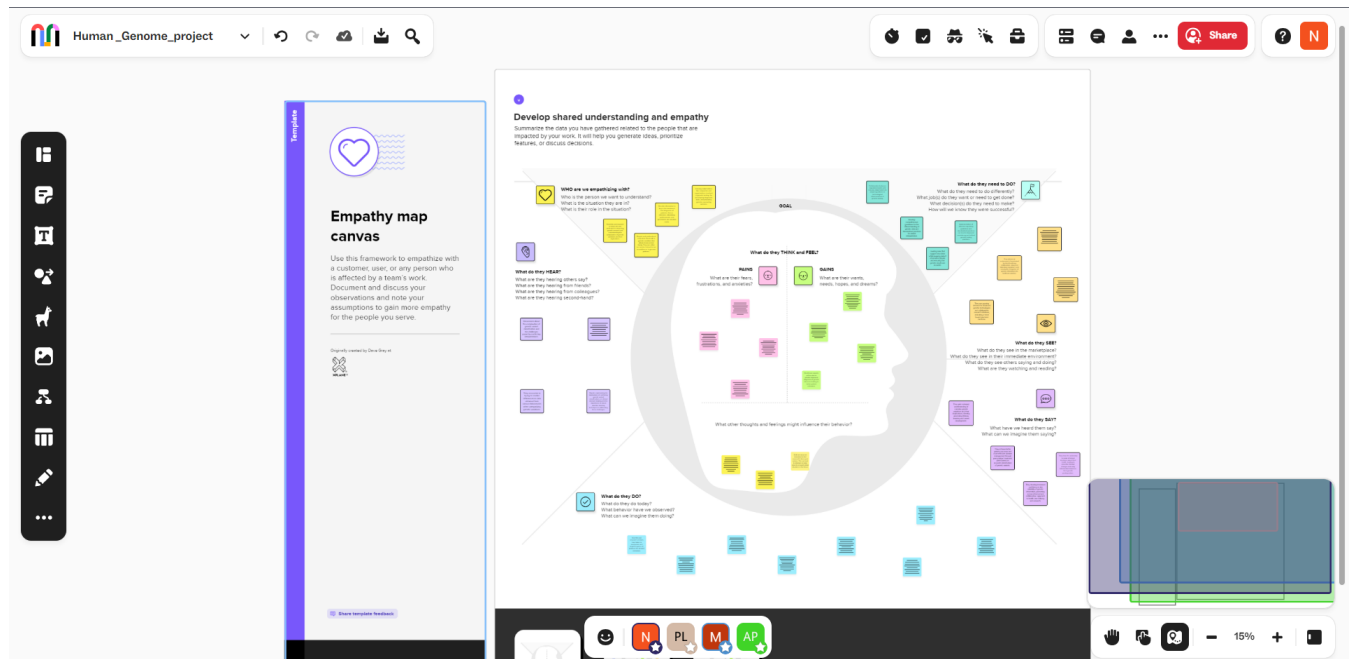
### Empathize and Discover

Date: -	17th October, 2023
Team ID: -	Team-593068
Project Name: -	Genetic Classification of Individuals using Machine Learning
Maximum Marks: -	4 marks

#### Summary:-

The project focuses on using machine learning to classify the genetics of individuals, specifically in the context of ClinVar, a public database containing information about human genetic variations. Manual classification of these variants by different laboratories often leads to conflicting interpretations, posing a challenge in accurately determining the impact of variants on specific diseases. Conflicting classifications especially arise when two of the following categories – possibly benign or benign, VUS (variant of uncertain significance) and possibly pathogenic or pathogenic – are present simultaneously for a single variation. Addressing these differences is essential to ensure accurate genetic diagnosis and effective treatment decisions in the clinical setting.

#### Empathy Map - Genetic Classification of Individuals using Machine Learning:-



Reference:-

<https://app.mural.co/t/humangenomeproject8710/m/humangenomeproject8710/1697450124365/488957b6e38133e5fdb27e2b2be20d735a46a57d?sender=uacb21eb884d562d5633b3912>