Algorithm 1 k-means algorithm

1: Specify the number k of clusters to assign.
2: Randomly initialize k centroids.
3: **repeat**
4: **expectation:** Assign each point to its closest centroid.
5: **maximization:** Compute the new centroid (mean) of each cluster.
6: **until** The centroid positions do not change.

Figure 1 Kmeans Algorithm

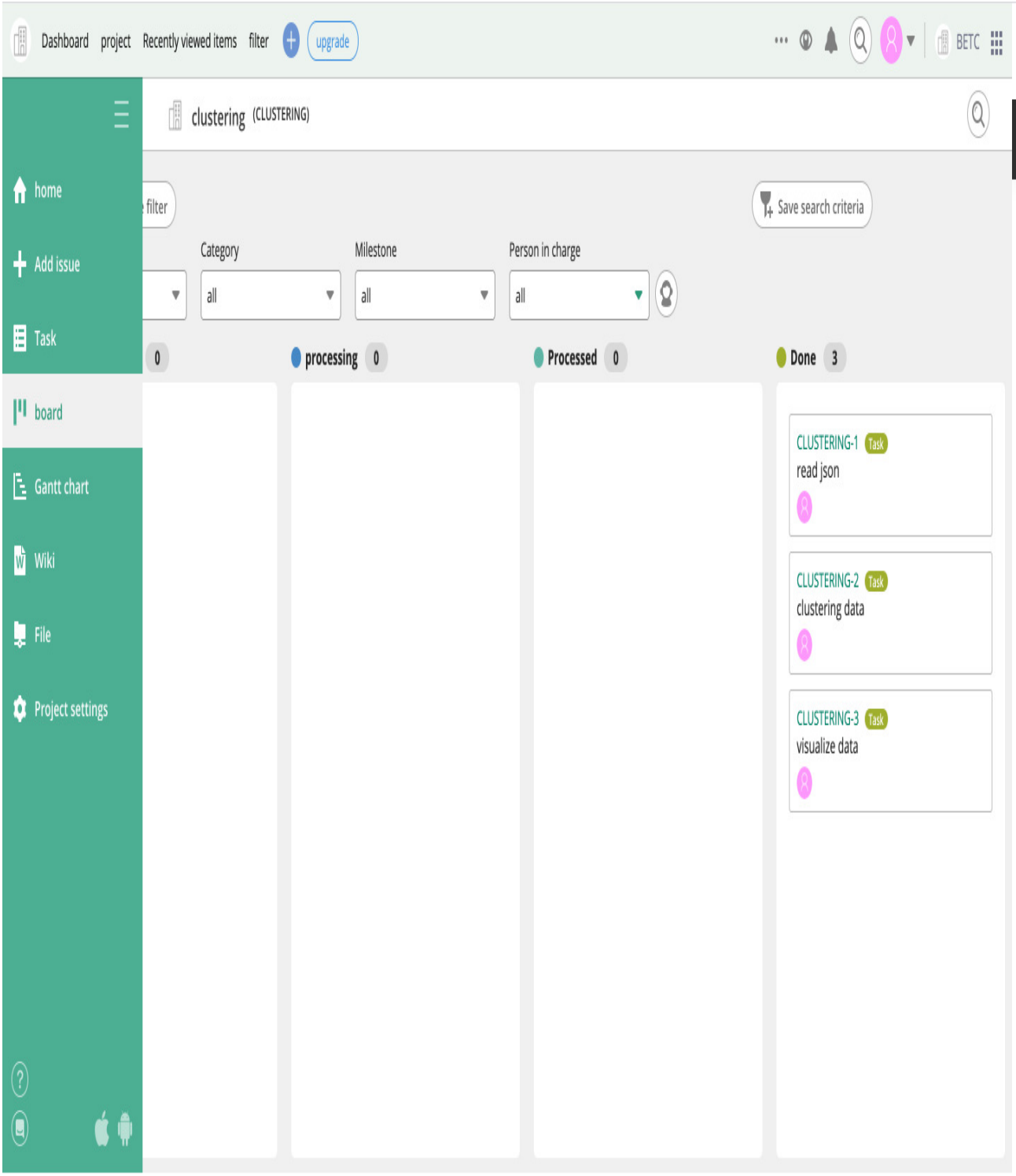

Figure 2 dashboard task

User story

As a [persona], I [want to], [so that].”
Breaking this down :

"As a [persona]":
max, 26 years old, young employee uses the self-service bikes to get home after work

- “Wants to”: he needs to know which stations are in the south east of his city to get a bike if there is no bike in the station that is next to his workplace.

  “So that”: he doesn't want to waste time going to stations that are far from his place of work