**Separation: steer to avoid crowding local flockmates.**

Each bird attempts to maintain a reasonable amount of distance between itself and any nearby birds, to prevent overcrowding.

**Alignment: steer towards the average heading of local flockmates.**

Birds try to change their position so that it corresponds with the average alignment of other nearby birds.

**Alignment: steer towards the average heading of local flockmates.**

Every bird attempts to move towards the average position of other nearby birds.