IT5016: Assignment 1

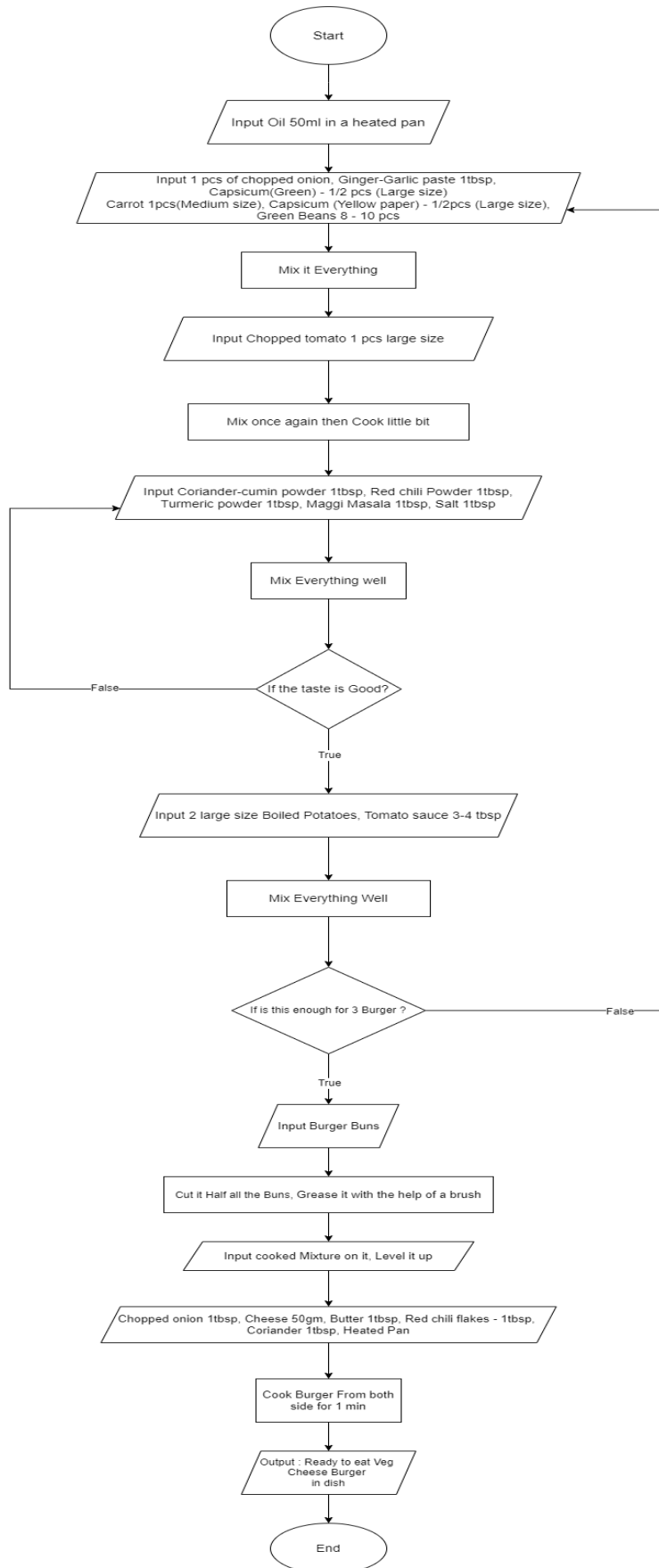## Flowchart and pseudo-code

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Introduction:-

Here, I am going to display Recipe of Burger by using two main methods which are Flowchart as well as pseudocode. Moreover, flowchart and pseudocode are useful and easier way to represent, write, and understand algorithm, codes in programming as well.

Flowchart of burger recipe:-

```
                          ┌─────────┐
                          │  Start  │
                          └────┬────┘
                               │
                               ▼
                  ╱────────────────────────╱
                 ╱ Input Oil 50ml in a heated pan ╱
                ╱────────────────────────╱
                               │
                               ▼
        ╱──────────────────────────────────────────────╱
       ╱ Input 1 pcs of chopped onion, Ginger-Garlic paste 1tbsp, ╱
      ╱         Capsicum(Green) - 1/2 pcs (Large size)            ╱
     ╱ Carrot 1pcs(Medium size), Capsicum (Yellow paper) - 1/2pcs (Large size), ╱
    ╱              Green Beans 8 - 10 pcs                        ╱
   ╱──────────────────────────────────────────────╱
                               │
                               ▼
                    ┌──────────────────┐
                    │  Mix it Everything │
                    └────────┬─────────┘
                             │
                             ▼
              ╱──────────────────────────────╱
             ╱ Input Chopped tomato 1 pcs large size ╱
            ╱──────────────────────────────╱
                             │
                             ▼
                ┌──────────────────────────┐
                │ Mix once again then Cook little bit │
                └────────────┬─────────────┘
                             │
                             ▼
        ╱──────────────────────────────────────────────╱
       ╱ Input Coriander-cumin powder 1tbsp, Red chili Powder 1tbsp, ╱
      ╱   Turmeric powder 1tbsp, Maggi Masala 1tbsp, Salt 1tbsp       ╱
     ╱──────────────────────────────────────────────╱
                             │
                             ▼
                    ┌──────────────────┐
                    │ Mix Everything well │
                    └────────┬─────────┘
                             │
                             ▼
                          ◇─────────◇
              False ──────◇ If the taste is Good? ◇
                          ◇─────────◇
                             │ True
                             ▼
        ╱──────────────────────────────────────────────╱
       ╱ Input 2 large size Boiled Potatoes, Tomato sauce 3-4 tbsp ╱
      ╱──────────────────────────────────────────────╱
                             │
                             ▼
                    ┌──────────────────┐
                    │ Mix Everything Well │
                    └────────┬─────────┘
                             │
                             ▼
                          ◇─────────◇
                         ◇ If is this enough for 3 Burger ? ◇ ───── False
                          ◇─────────◇
                             │ True
                             ▼
                  ╱──────────────────╱
                 ╱  Input Burger Buns  ╱
                ╱──────────────────╱
                             │
                             ▼
            ┌──────────────────────────────────────┐
            │ Cut it Half all the Buns, Grease it with the help of a brush │
            └───────────────────┬──────────────────┘
                             │
                             ▼
              ╱──────────────────────────────╱
             ╱ Input cooked Mixture on it, Level it up ╱
            ╱──────────────────────────────╱
                             │
                             ▼
        ╱──────────────────────────────────────────────╱
       ╱ Chopped onion 1tbsp, Cheese 50gm, Butter 1tbsp, Red chili flakes - 1tbsp, ╱
      ╱              Coriander 1tbsp, Heated Pan                    ╱
     ╱──────────────────────────────────────────────╱
                             │
                             ▼
                    ┌──────────────────┐
                    │ Cook Burger From both │
                    │   side for 1 min    │
                    └────────┬─────────┘
                             │
                             ▼
                  ╱──────────────────╱
                 ╱ Output : Ready to eat Veg ╱
                ╱     Cheese Burger       ╱
               ╱        in dish          ╱
              ╱──────────────────╱
                             │
                             ▼
                          ┌─────────┐
                          │   End   │
                          └─────────┘
```

Psudocode of burger recipe :-

```
Start
    # import all ingredients for patties
    Input "50ml oil in heated pan"
    Input "1 piece of chopped onion, Ginger-Garlic paste 1teaspoon, Capsicum
(Green) - 1/2piece (Large size)"
    Input "Carrot 1piece (Medium size), bell (yellow paper)-1/2piece (Large
size), Green beans 8-10 piece"
    Mix it everything well
    Import chopped tomato 1 piece large size
Mix it and cook little bit
    Input "Coriander-cumin powder 1teaspoon, red chili powder 1teaspoon, turmeric
powder 1 teaspoon, Maggi masala 1teaspoon, salt 1teaspoon"
    Continue mixing Process
    If the taste is good
        Input 2 large size boiled potatoes, tomatoes sauce 3-4 teaspoon and mix
everything
Else if
        Import ingredients according to the taste
    Else
        If is this enough for 3 burger
        Import burger buns
    Cut it half all the buns
Grease it with the help of a brush, and then input the cooked mixture on it,
level up.
Input "slides onion 1 teaspoon, cheese 50gm, butter 1 teaspoon, red chili flakes-
1 teaspoon, coriander 1teaspoon, and heated pan"
Cook burger from both sides for 1 minute
Output
Serve veg cheese burger in dish with Ketchup sauce


End
```