

My decision tree will be used to determine what a user can currently do based on the time of year. So it will have the following decision nodes and eventual outcomes:

#### **Decision Node 1: Before the last frost date**

- Description: This node uses the saved frost date to check if the last frost has passed
- Branches:
  - Yes: Goes to node 2
    - If the last frost date has not passed, then it checks how long till it passes to know what prep can be done
  - No: Goes to node c
    - If the last frost date has passed, it checks how long ago it was to figure out how far into the growing season it is

#### **Decision Node 2: <30 days before the last frost date**

- Description: checks if the frost date is coming soon in 30 days or less)
- Branches:
  - Yes: start seeds and garden prep
    - If it's soon, indoor seeds can get started, and the garden can get prepared for gardening
  - No: Get ready for the garden season
    - If not, it's too soon to start plants, but a user can get all the supplies needed

#### **Decision Node 3: <90 days after last frost**

- Description: checks how long after the last frost it is
- Branches:
  - Yes: transfer plants and direct sow, along with garden maintenance
    - If it's within 90 days, plants can be transplanted out into the garden, and more seeds sown as it's warm and early enough in the season
  - No: Goes to node d
    - If it's later in the season, a check needs to be done to see if it's after the first frost or still warm enough to plant another round

#### **Decision Node 4: Before the first frost date**

- Description: uses the saved frost date and checks if it's still before that
- Branches:
  - Yes: start harvesting and plant another round of cool-weather crops
    - There's still time to plant cool-weather crops and harvest veggies
  - No: finish harvesting and clean up the garden
    - If it's after the first date, you can't plant anything as it would freeze, so finish harvesting and start cleaning up the garden

