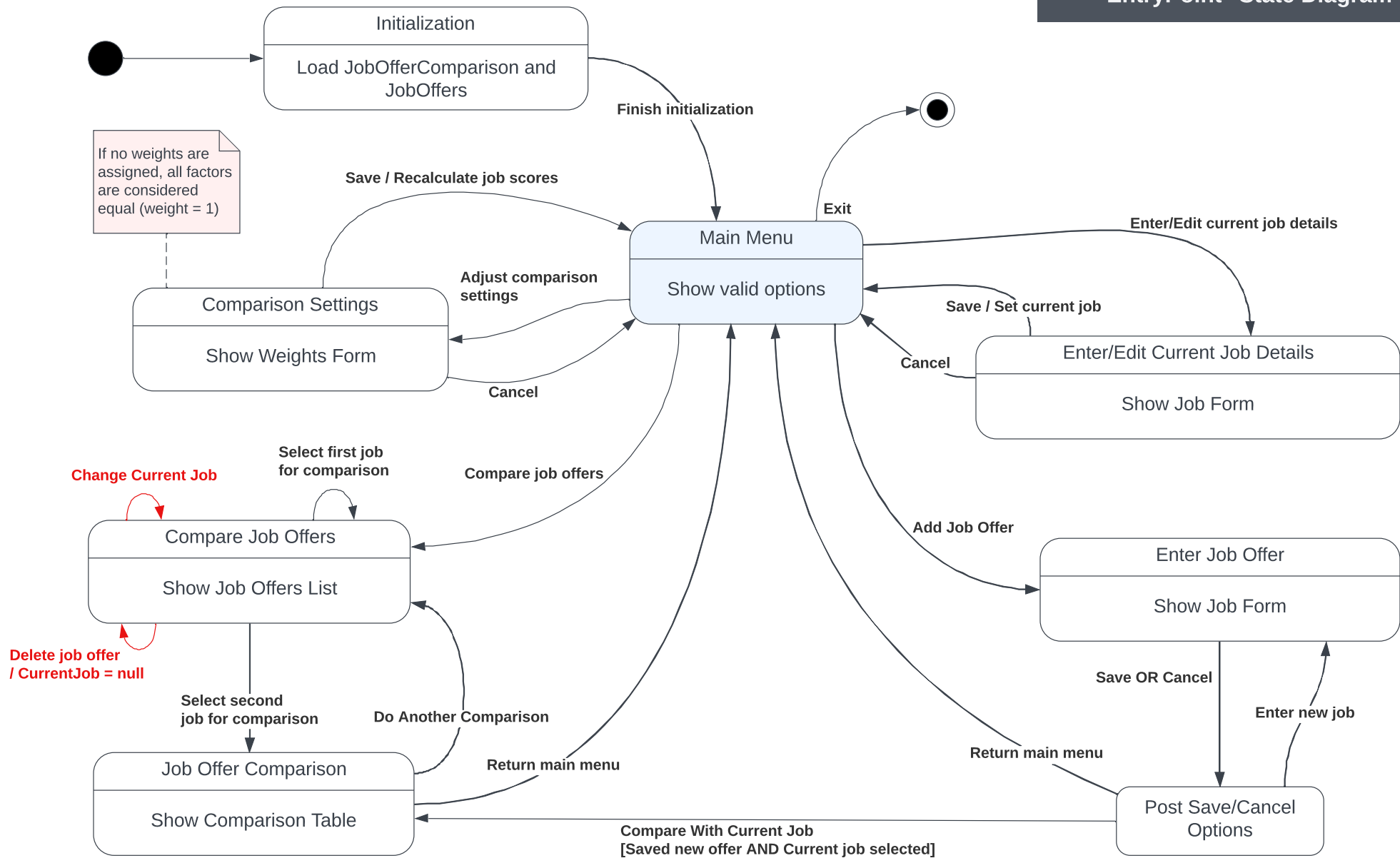


- { Single system, no communication or saving between devices. }
- { User interface must be intuitive and responsive. }

## "EntryPoint" State Diagram



## Class JobOffer

### Method calculateJobScore(ComparisonSettings)

```
AYSweight = ComparisonSettings.yearlySalaryWeight / ComparisonSettings.weightSum;
AYBweight = ComparisonSettings.yearlyBonusWeight / ComparisonSettings.weightSum;
RBPweight = ComparisonSettings.retirementBenefitsWeight / ComparisonSettings.weightSum;
RSweight = ComparisonSettings.relocationStipendWeight / ComparisonSettings.weightSum;
TDFweight = ComparisonSettings.trainingFundWeight / ComparisonSettings.weightSum;

AYS = JobOffer.yearlySalaryAdjustedForCostLiving;
AYB = JobOffer.yearlyBonusAdjustedForCostLiving;
RBP = JobOffer.retirementBenefits;
RS = JobOffer.relocationStipend;
TDF = JobOffer.trainingFund;

JobOffer.jobScore =
    AYS * AYSweight +
    AYB * AYBweight +
    (RBP * AYS / 100) * RBPweight +
    RS * RSweight +
    TDF * TDFweight;
```

## Class JobOffer

### Calculated attributes

```
JobOffer.yearlySalaryAdjustedForCostLiving =
    JobOffer.yearlySalary * 100 / JobOffer.Location.livingCostIndex;

JobOffer.yearlyBonusAdjustedForCostLiving =
    JobOffer.yearlyBonus * 100 / JobOffer.Location.livingCostIndex;
```

Use Case 1:

1. User Opens the app
2. Can access Main Menu --> Current Job, or Job Catalog
3. Enter Current Job or Save Current Job, --> Return to Main Menu
4. Proceed further-->Enter the Job Offer
5. Save the Job offer with a name (including Title of Position, and Company Name
6. (If compare is selected) -->Compare any two jobs or Curren job with anther Job --> or Return
7. Exit App

Use Case 2:

1. User opens the App
2. User can access Main Menu
3. User proceeds to either (enter a job offerm save the job offer with a name, enter job details, then Save the job offer then return to menu
4. Enter Job Catalofg (Adjust comparison settings as desird based on speecified weights) --> then to Return
5. Go to comparison settings and then select ant two jobs to compare (current job will also be shown as option)
6. Then User can return to menu