*CSE 102*

**JavaFX**

1. Write a simple calculator app which supports addition, subtraction, multiplication and division.
2. Write a simple basketball game where the ball is thrown with a drag-n-drop gesture (which determines the direction and initial speed of the ball). There should be a basket slightly larger than the size of the ball and the game should count the scores.
3. Write a simple image viewer app which lists image files under a given directory and upon choosing one from the list displays it on a side pane or on a new window, the design is up to you.
4. Write a simple directory search app which filters the contents of a directory while you are typing a file name (performs prefix search).
5. Write a simple drawing app where the user can pick custom colors from a palette and draws freely.