**Risks**

1. Security concerns for user info (I don’t want partnered schools, we want this open to whomever we determine to launch the application to, marketing will take care of school/club/etc. we choose to allow)

**Mitigation**: User list must be provided by administrator at each partnered schools including first and last name of each student user that will create an account.

**Issues (these are not issues, these are assumptions and requirements)**

1. Student may not have computer at home - **Application must be responsive**

**Mitigation**: Users may use a mobile phone or tablet device to access and play the programming game.

2. Students may use application for gaming aspect and not learning to program/code – **This is a coding exercise so that is what we are developing or being asked to develop.**

**Mitigation**: Users will be required to program in order for game to work and progress in levels.

3. Student may not use English as their first language - **Ask your SME, want this in English, don’t go down a road without clarifying as needed and waste time.**

**Mitigation**: Use keywords through Java that can easily be taught and understood by students who don't use English as their first language

**Assumptions**

1. User has valid email
2. User attends one of the following partnered schools – **Not a requirment**
   * Prairie Point and 9th Grade Academy
   * East Atlantic
   * Charlotte Country Day
   * Minnetonka Middle School West
   * Our Lady of the Presentation
   * Red Oak Middle School
   * Sauk Rapids-Rice

**Phase II**

1. More Games

* + Flappy Bird

a. Difficultly Level: Hard (Ex: Gravity, game features, velocity, size of screen, colors)

* + 2048

a. Difficulty Level: Medium (Ex: Styles, shapes, grids)

* + Chain Reaction:   
     a. Medium (Ex: Speed of bubbles, size of click circle, speed/direction of circles, # of bubbles, length of reaction time)

2. Reset Password Capability

* + Outsource to email service that will send emails with verification codes

3. Partnering with More Schools