# Animation Extension Worksheet

## Describe the goal of your change: what new feature or behavior will it add to your animation?

## Draw a sketch for three distinct moments of the animation, focusing on the new behavior

|  |  |  |
| --- | --- | --- |
|  |  |  |
| Sketch A | Sketch B | Sketch C |

## What NEW things are changing? Are they independent of existing fields?

|  |  |  |
| --- | --- | --- |
| **Thing** | **How does it change?** | **Does it change consistently? Independently?** |
|  |  |  |
|  |  |  |

## What fields do you need to represent the NEW and independent things that change?

|  |  |
| --- | --- |
| **Field name** (dangerX, score, playerIMG…) | **Datatype** (Number, String, Image, Boolean…) |
|  |  |
|  |  |

Check off the items below that you will need to write or edit. **Check them off when you finish each.**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Done** | **Component** | **Edit** | **Write** | **Reminder: when to edit or write** |
| ☐ | Data Structure | ☐ | ☐ | If any new field(s) were added |
| ☐ | draw-state | ☐ | ☐ | If something is displayed in a new way or position |
| ☐ | next-state-tick | ☐ | ☐ | If new field(s) were added, or if the feature changes what happens as time passes |
| ☐ | next-state-key | ☐ | ☐ | If new field(s) were added, or if the feature changes what happens when a key is pressed |
| ☐ | reactor | ☐ | ☐ | If either next-state function is *new* |

## Make a sample instance for each sketch from the previous page:

**\_\_\_\_\_\_\_\_\_\_\_\_A** = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**\_\_\_\_\_\_\_\_\_\_\_\_B** = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**\_\_\_\_\_\_\_\_\_\_\_\_C** = \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

## Write a NEW example for one of the functions that you must edit:

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

## Write a NEW example for another of the functions that you must edit (if applicable)

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\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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