

# Rube Goldberg Daily Documentation

## Date:

16.2.26

## Team Member Roles Today:

Designer: WOLFY

Documenter: WALTER

## Tasks Completed:

- Task 1: Screw over to above dinner table
- Task 2: Lever activates dominoes
- Etc.

## Challenges Encountered:

- Challenge 1: Axle too thin, ball doesn't revolve around axis while screw carries it.
- Challenge 2: getting ball to lever quicker
- Etc. getting the ball precisely to the lever
- Challenge 4 getting the dominoes to tip over
- Challenge 5: Ball disappears upon loading
- Challenge 6: ball hits lever wrong, does not go right way, does not hit lever

## Solutions Found:

- Solution 1: Made ball bigger, made axle thicker.
- Solution 2: moving it closer to the end of the screw
- Solution 3: adding another tube
- Solution 4: moving it closer to the lever
- Solution 5: found what level objects were in, unified their level.

## Changes from Sketch:

Got rid of lazy susans, replaced with sideways screw.

## Date:

18.2.26

## Team Member Roles Today:

Designer: Walter

Documenter: Wolfy

## Tasks Completed:

- Task 3: truck activating lazy susan

## Challenges Encountered:

- Challenge 7: ball going over the lever
- Challenge 8: can't move truck
- Challenge 9: ball does not go into new tube.
- Challenge 10: we realized our layout was not going to work properly
- Challenge 11: Get the ball to get on the lever again

## Solutions Found:

- Solution 6: we configured the lever
- Solution 7: added a wall
- Solution 8: elevated dominos
- Solution 9: move the pipe and
- Solution 10: moving and slightly changing everything

## Changes from Sketch:

Changed entire layout to be more compact for efficiency, started ball higher up.

## Team Member Roles Today:

Designer: Wolfy

Documenter: Walter

## Tasks Completed:

- Task 3: truck activates lazy susan
- Task 4: pulley knocks over rectangle onto lazy susan

## Challenges Encountered:

- Challenge 12: lever doesn't push dominoes
- Challenge 13: Ball hits coming off lever truck, ruining sequence
- Challenge 14: Truck won't go down ramp.
- Challenge 15 getting the ball to lazy susan without losing the ball
- Challenge 16: getting the book to fall where we want

## Solutions Found:

- Solution 11: raised lever and dominoes onto box
- Solution 12: lowered lever down to box surface and rotated lever slightly
- Solution 13: placed wall between lever and truck
- Solution 14: messed around with truck until it worked
- Solution 15: Placed shallow ramp between lever and lazy susan

## Date:

18.2.26

## Team Member Roles Today:

Designer: Wolfy

Documenter: Walter

## Tasks Completed:

- Task 5: book dominoes
- Task 6: book falls into place becoming ramp

## Challenges Encountered:

- Challenge 17: Spatula does not lift up, pushing book.
- Challenge 18: Getting book to fall on lever
- Challenge 19: what to do with the lever
- Challenge 20: ball going too fast
- Challenge 21: speed checks can be too unreliable.

## Solutions Found:

- Solution 16: Using lever-like custom object to move it.

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- Solution 17: Use spatula to give the boot force to push the book.
- Solution 18: Make book tall
- Solution 19: got rid of lever
- Solution 20: several speed checks slow it down
- Solution 21: replaced with screw

## Date:

23.2.26

## Team Member Roles Today:

Designer: Walter

Documenter: Wolfy

## Tasks Completed:

Task 7: ball hits domino chain

## Challenges Encountered:

- Challenge 22: ball not hitting domino
- Challenge 23: Trying to get the ball more consistent
- Challenge 24: Getting the ball to next location

## Solutions Found:

- Solution 22: remove dominos.

## Date:

24.2.26

## Team Member Roles Today:

Designer: Wolfy

Documenter: Walter

## Tasks Completed:

Task 8: dominoes activate pulley

Task 9: Pulley pulls lever up, releasing melon

## Challenges Encountered:

- Challenge 25: moving melons
- Challenge 26: dominoes falling over on ramp

## Solutions Found:

- Solution 23: Fiddled with first Lazy Susan
- Solution 24: Second Lazy Susan and screw
- Solution 25: pulley pushes lever holding melon
- Solution 26: Make ramp less steep

## Date:

25.2.26

## Team Member Roles Today:

Designer: Wolfy

Documenter: Walter

## Tasks Completed:

Task 10: ball goes into tube

## Challenges Encountered:

- Challenge 27: Dominoes too big
- Challenge 28: transporting cheese ball
- Getting mouse into cheese elevator
- Challenge figuring out what to do with wedge

## Solutions Found:

- Solution 27: more evenly increase size of dominoes
- Solution 28: