

## TBM 1:

Team name: \_\_\_\_\_

Referee I: \_\_\_\_\_, Referee II: \_\_\_\_\_

Date and time: \_\_\_\_\_

Duration: \_\_\_\_\_ ☐ Timeout

### Achievements

Example entry:

yes no

☐ ☐

Comment: \_\_\_\_\_

### Penalized Behaviors

Example entry: ☐ ☐ ☐ ☐ ☐

### Disqualifying Behaviors

Example entry: ☐

Benchmarking data delivered appropriately: ☐ yes / ☐ no

Team leader signature: \_\_\_\_\_

Referee signature: \_\_\_\_\_

## TBM 2: Welcoming visitors

Team name: \_\_\_\_\_

Referee I: \_\_\_\_\_, Referee II: \_\_\_\_\_

Date and time: \_\_\_\_\_

Duration: \_\_\_\_\_ ☐ Timeout

### Achievements

	yes	no
The robot reaches the door when the door bell is rung by Dr. Kimble and correctly identifies him: Comment: _____	<input type="checkbox"/>	<input type="checkbox"/>
The robot reaches the door when the door bell is rung by the Deli Man and correctly identifies him: Comment: _____	<input type="checkbox"/>	<input type="checkbox"/>
The robot reaches the door when the door bell is rung by the PostMan and correctly identifies him: Comment: _____	<input type="checkbox"/>	<input type="checkbox"/>
The robot reaches the door when the door bell is rung by an unknown person and correctly identifies the person as such: Comment: _____	<input type="checkbox"/>	<input type="checkbox"/>
The robot exhibits the expected behavior for interacting with Dr. Kimble: Comment: _____	<input type="checkbox"/>	<input type="checkbox"/>
The robot exhibits the expected behavior for interacting with the Deli Man: Comment: _____	<input type="checkbox"/>	<input type="checkbox"/>
The robot exhibits the expected behavior for interacting with the PostMan: Comment: _____	<input type="checkbox"/>	<input type="checkbox"/>
The robot exhibits the expected behavior for interacting with an unknown person: Comment: _____	<input type="checkbox"/>	<input type="checkbox"/>

## Penalized Behaviors

The robot fails in making the visitor respect the proper rights: ☐ ☐ ☐ ☐ ☐

The robot generates false alarms: ☐ ☐ ☐ ☐ ☐

The robot fails in maintaining the original state of the environment: ☐ ☐ ☐ ☐ ☐

The robot requires extra repetitions of speech: ☐ ☐ ☐ ☐ ☐

The robot bumps into the furniture: ☐ ☐ ☐ ☐ ☐

The robot stops working: ☐

## Disqualifying Behaviors

The robot hits Annie or one of the visitors: ☐

The robot damages the test bed: ☐

**Benchmarking data delivered appropriately:** ☐ yes / ☐ no

**Team leader signature:** \_\_\_\_\_

**Referee signature:** \_\_\_\_\_

## TBM 3:

Team name: \_\_\_\_\_

Referee I: \_\_\_\_\_, Referee II: \_\_\_\_\_

Date and time: \_\_\_\_\_

Duration: \_\_\_\_\_ ☐ Timeout

### Achievements

	yes	no
The robot enters the room where Granny Annie is waiting: Comment: _____	<input type="checkbox"/>	<input type="checkbox"/>
The robot understands Annie's command(s): Comment: _____	<input type="checkbox"/>	<input type="checkbox"/>
The robot operates correctly the right device(s): Comment: _____	<input type="checkbox"/>	<input type="checkbox"/>
The robot finds the right object: Comment: _____	<input type="checkbox"/>	<input type="checkbox"/>
The robot delivers the object to Granny Annie: Comment: _____	<input type="checkbox"/>	<input type="checkbox"/>

### Penalized Behaviors

The robot bumps into the furniture:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The robot stop working:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The robot cannot pick the object:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
The robot drops the object:	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

### Disqualifying Behaviors

The robot hits Annie or another person in the environment:	<input type="checkbox"/>
The robot damages or destroys the object requested to manipulate:	<input type="checkbox"/>
The robot damages the test bed:	<input type="checkbox"/>

Benchmarking data delivered appropriately: ☐ yes / ☐ no

Team leader signature: \_\_\_\_\_

Referee signature: \_\_\_\_\_

# FBM 1: Object Perception

Team name: \_\_\_\_\_

Referee I: \_\_\_\_\_, Referee II: \_\_\_\_\_

Date and time: \_\_\_\_\_

Notes:

- Start and end time are based on the referee stop watch.
- Timeout is checked when the robot cannot detect the object within specified test duration.
- GT is the ground truth which is the information provided by the referee box.
- Objects identifier:
  - A1=black mug, A2=white mug, A3=coffee mug, A4=mug
  - B1=fork, B2=knife
  - C1=yellow box, C2=pink box
  - D1=gold frame, D2=black frame

Run 1 Duration: \_\_\_\_\_ ☐ Timeout

Object Detection

GT	A				B		C		D	
	1	2	3	4	1	2	1	2	1	2
Robot	A				B		C		D	
	1	2	3	4	1	2	1	2	1	2

Pose

GT	x	y	$\theta$	Robot	x	y	$\theta$

Comments: \_\_\_\_\_

Run 2 Duration: \_\_\_\_\_ ☐ Timeout

Object Detection

GT	A				B		C		D	
	1	2	3	4	1	2	1	2	1	2
Robot	A				B		C		D	
	1	2	3	4	1	2	1	2	1	2

Pose

GT	x	y	$\theta$	Robot	x	y	$\theta$

Comments: \_\_\_\_\_

**Run 3** Duration: \_\_\_\_\_ ☐ Timeout

Object Detection

GT	A				B		C		D	
	1	2	3	4	1	2	1	2	1	2
Robot	A				B		C		D	
	1	2	3	4	1	2	1	2	1	2

Pose

GT	x	y	$\theta$	Robot	x	y	$\theta$

Comments: \_\_\_\_\_  
\_\_\_\_\_

**Run 4** Duration: \_\_\_\_\_ ☐ Timeout

Object Detection

GT	A				B		C		D	
	1	2	3	4	1	2	1	2	1	2
Robot	A				B		C		D	
	1	2	3	4	1	2	1	2	1	2

Pose

GT	x	y	$\theta$	Robot	x	y	$\theta$

Comments: \_\_\_\_\_  
\_\_\_\_\_

**Run 5** Duration: \_\_\_\_\_ ☐ Timeout

Object Detection

GT	A				B		C		D	
	1	2	3	4	1	2	1	2	1	2
Robot	A				B		C		D	
	1	2	3	4	1	2	1	2	1	2

Pose

GT	x	y	$\theta$	Robot	x	y	$\theta$

Comments: \_\_\_\_\_  
\_\_\_\_\_

**Run 6** Duration: \_\_\_\_\_ ☐ Timeout

Object Detection

GT	A				B		C		D	
	1	2	3	4	1	2	1	2	1	2
Robot	A				B		C		D	
	1	2	3	4	1	2	1	2	1	2

Pose

GT	x	y	$\theta$	Robot	x	y	$\theta$

Comments: \_\_\_\_\_  
\_\_\_\_\_

**Run 7** Duration: \_\_\_\_\_ ☐ Timeout

Object Detection

GT	A				B		C		D	
	1	2	3	4	1	2	1	2	1	2
Robot	A				B		C		D	
	1	2	3	4	1	2	1	2	1	2

Pose

GT	x	y	$\theta$	Robot	x	y	$\theta$

Comments: \_\_\_\_\_  
\_\_\_\_\_

**Run 8** Duration: \_\_\_\_\_ ☐ Timeout

Object Detection

GT	A				B		C		D	
	1	2	3	4	1	2	1	2	1	2
Robot	A				B		C		D	
	1	2	3	4	1	2	1	2	1	2

Pose

GT	x	y	$\theta$	Robot	x	y	$\theta$

Comments: \_\_\_\_\_  
\_\_\_\_\_

**Run 9** Duration: \_\_\_\_\_ ☐ Timeout

Object Detection

GT	A				B		C		D	
	1	2	3	4	1	2	1	2	1	2
Robot	A				B		C		D	
	1	2	3	4	1	2	1	2	1	2

Pose

GT	x	y	$\theta$	Robot	x	y	$\theta$

Comments: \_\_\_\_\_  
\_\_\_\_\_

**Run 10** Duration: \_\_\_\_\_ ☐ Timeout

Object Detection

GT	A				B		C		D	
	1	2	3	4	1	2	1	2	1	2
Robot	A				B		C		D	
	1	2	3	4	1	2	1	2	1	2

Pose

GT	x	y	$\theta$	Robot	x	y	$\theta$

Comments: \_\_\_\_\_  
\_\_\_\_\_

**Benchmarking data delivered appropriately:** ☐ yes / ☐ no

**Team leader signature:** \_\_\_\_\_

**Referee signature:** \_\_\_\_\_