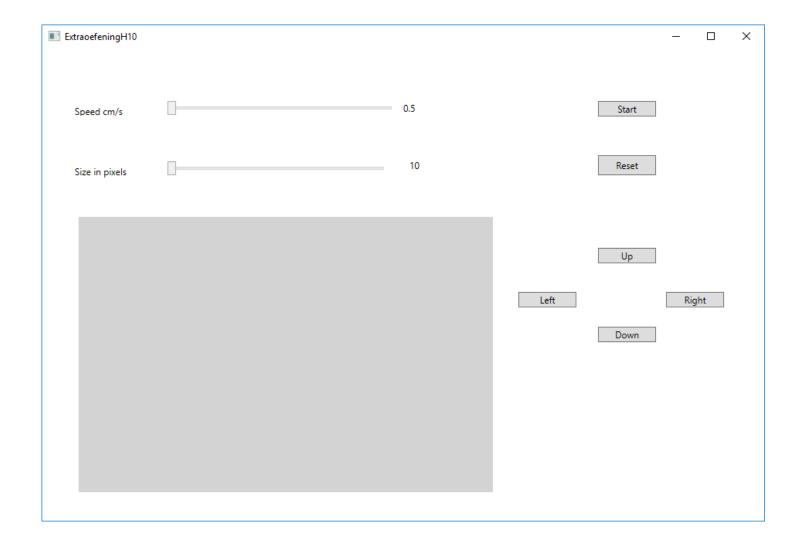
Extra oefening Beetle



Programmeren in C#

downsutton paperlanuas menagdahel Mainkindow

. zstart my start · ntartTime · timer (Orsportchere Firmer)

constructor

- · aanmaken van beelle zeker meegeven amort, whart , convar
- . barmaken vantimer + interval indeller

methoden

· genereren van Mark positie :>Mart, ystert



10 cm 50 cm by 5 nec

constructor parameters x, y lint), comos

- · aanmahen van ellipse breate Beetle · onhoog en naver rechts
- · ovsicht baox maken

(resti Bestle (acommanne ellipse, x, y indellen, ...
placation op varvas) methoden

Belle Marnwindow . eventhandly startstopsutton nij start * heetle richt bour * filmer starten * robot - Moo my stop * timer Mappen x 1chot -) start ---> Compute Distance (Martine, MapTime) * merragelabel aarparsen affelipole afrances ub grade 12 0,12 cm -> 1 tike

1 cm -> 1 tike

5 cm -> 1 tike

1 t -> per lik 9.12 cm afyeleyo) Li Moptime bepalen speed 5cm/1 . are thandler sere Stider · presporty size waarde geven · timorhterval instellen tyd tursen 2 fibben in milli seconden 1000/ (5/612) . event-handler speedslider · property speck waardevever timor Interval provellent = 1000 / (speed / gradte * 100)

Programmeren in C#

Mainwindow.

eventhandler timerc

bever verplaaten

(x-\frac{5\n2\epsilon_2}{2}, y-\frac{5\n2\epsilon_2}{2})

--->

Beetle

change Position () gen beverying

Up in Y == 1

Dight X -= 1

L'a Change Direction ()

. Upote Ellipse

eventhandler UpButton daven Button right Button left Button

. event handler reset Button

* beetle owsicht boror maken

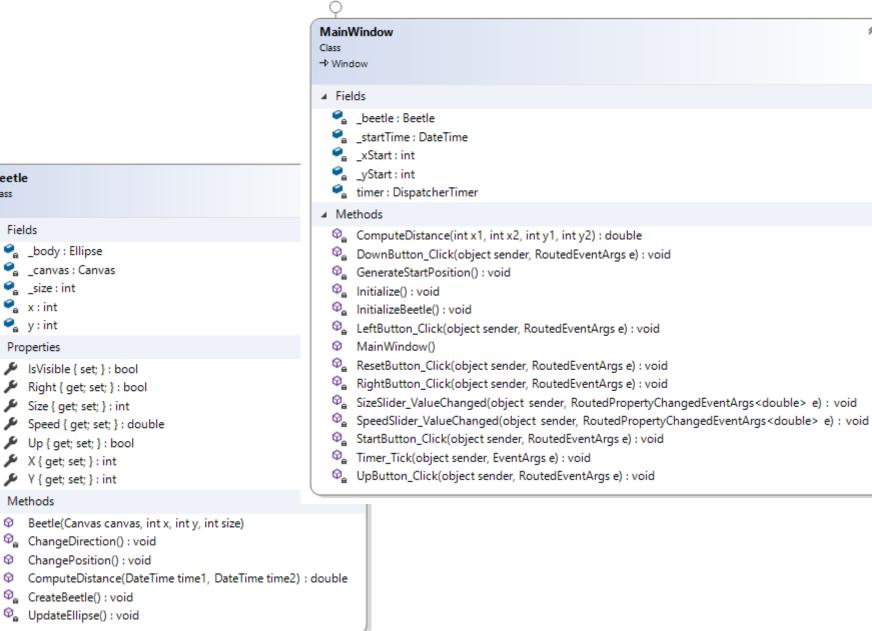
* Miders minimale waarde

* sliders enabelen

* messayelahel beginnaken

* minure positic

* limer stoppen



12

Beetle

_ body : Ellipse

🔍 size : int

ຊ x:int

🗣 y:int

■ Properties

a _canvas : Canvas

IsVisible { set; }: bool

Size { get; set; } : int

Up { get; set; } : bool

X { get; set; } : int

Y { get; set; } : int

Right { get; set; } : bool

Speed { get; set; } : double

© ChangeDirection(): void ChangePosition(): void

© CreateBeetle(): void © UpdateEllipse(): void

Class