Documentation

Index

- Golddigger documentation
 - o A game
 - View your nearest surroundings
 - Make a move
 - Grab the gold
 - Check how much you are carrying
 - Drop carried gold
 - Maximum number of pieces on one square
 - Cash the gold in the bank
 - Check how much you have in the bank
 - Move to the next field
 - The first couple of gold fields

Golddigger documentation

This is an instruction manual on how to play the Golddigger game.

The goal of the game is to gather as much gold as possible within the given time frame. The game will end at 20.30.

This game is running on an HTTP-server. For the examples in this documentation the server resides at http://localhost:8066/golddigger. The correct url (e.g. IP address of the server) was provided to you when the game started.

The part of the path that says veryVerySecret must be replaced by the password given to you by the game administrator.

Your player can be controlled by sending specific actions or state requests to the web server. Actions makes your player interact with the environment, and state requests asks for the current state of you player.

The server always return HTTP reponse code 400, unless it utterly fails. That is, the responses below always represents the *content* of the response, and never any HTTP status.

A game

View your nearest surroundings

To view your nearest surroundings, issue the following command to the server:

http://localhost:8066/golddigger/digger/veryVerySecret/view

The response text looks like this:

www wb. w.1

This represents the 3-by-3 square surrounding the player, where the player stands on the center position, the ${\bf b}$ in this case.

The w represents walls. Walls limits the area in which the player can move and they cannot be treaded. The outside of the field is surrounded by walls, but walls can also be present inside the field, where they are equally untreadable.

Numbers represents squares where there is ${f GOLD!}$ More about that later.

Make a move

The player can move in four directions:

direction	url	response
south	http://localhost:8066/golddigger/digger/veryVerySecret/move/south	OK

With the new view:

wb. w.1			
w.9			
direction		response	
east	http://localhost:8066/golddigger/digger/veryVerySecret/move/east	OK	
With the ne	w view:		
b.w			
.1w .9w			
direction	url	response	
north	http://localhost:8066/golddigger/digger/veryVerySecret/move/north	n OK	
With the ne	ew view:		
WWW			
b.w .1w			
direction	url	response	
w est	http://localhost:8066/golddigger/digger/veryVerySecret/move/wes	t OK	
With the ne	ew view:		
www			
wb.			
w.1			
If the move	cannot be performed, like for instance you are positioned like this:		
WWW			_
wb. w.1			
moving n	orth will not be possible and the response will be		
direction	url	response	
north	http://localhost:8066/golddigger/digger/veryVerySecret/move/north	n FAILED	
The view is	s unchanged		
THE VIEW IS	s unonangeu		
Grab th	ne gold		
To grab the square wit	e gold on the spot you stand, issue the <i>grab</i> command. This is the v h a number indicating gold:	riew before grab where we have centered the player abov	e a
b.w			_
.1w			
.9w			
this is the	a drap command.		

-

action url response grab http://localhost:8066/golddigger/digger/veryVerySecret/grab 1

The response indicates that one piece of gold was grabbed. The view after lookes like this:

b.w

w
.9 _W
The GoldDigger is greedy and will always try to grab as much as possible, but he cannot carry more than 3 pieces of gold at a single time. Here he is on a square with nine pieces, carrying one piece already:
W .9w www
When grabbing the gold on that spot, the response is
action response grab 2
and the view looks like this
W . 7 w WWW
Check how much you are carrying
Now that you have started picking up gold, you might want to see how much you are carrying.
action url response
carrying http://localhost:8066/golddigger/digger/veryVerySecret/carrying 3
Drop carried gold
You cannot carry more than 3 pieces of gold at a time. When you have found and grabbed three pieces, you must drop the gold somewhere. This is the view before:
W W . 7 WWW
action url response
drop http://localhost:8066/golddigger/digger/veryVerySecret/drop 3
The response will tell you how many pieces you dropped. This is the view after:
W w37 www
Maximum number of pieces on one square
A square can hold <i>nine</i> pieces of gold, so you can drop up to that amount on one square. If you carry more than the square can absorb, you keep the difference
w w37 www
action response
grab 3
carrying 3

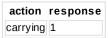
Then lets drop the gold there

action	response
drop	2

The field looks like this:

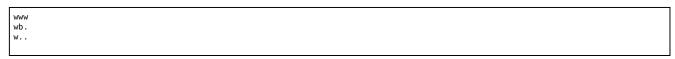
г	
ı	w
ı	.9w
ı	www
ı	
	тип

...and you are still carrying



Cash the gold in the bank

To cash the gold, you need to go to a square with a **b** on it and drop what you are carrying there. The gold will then be credited to your account.



action	url	response
drop	http://localhost:8066/golddigger/digger/veryVerySecret/drop	3

Check how much you have in the bank

When you have cashed your gold, you can check your balance score like this

action	url	response
score	http://localhost:8066/golddigger/digger/veryVerySecret/score	3

Move to the next field

When you have cashed all the gold in one field you are allowed to move to the next. If you try to move to the next field before you have picked all gold pieces in the current field you will get a message like this

action	url	response
next	http://localhost:8066/golddigger/digger/veryVerySecret/next	FAILED

 \ldots and you will remain in the current field until you have picked them all.

After having picked all gold pieces you will get this response:

action	url	response
next	http://localhost:8066/golddigger/digger/veryVerySecret/next	OK

...and you will be moved to the next field.

The first couple of gold fields

Just to get you started and to give you an idea of w hat the fields look like, we reveal the first couple of fields:

www wbw w.w w.w w.w			
wbw			
W.W			

Documentation

w3w w3w w3w www
wwwwwwwwwwwwwwwwwwwwwwwwwwwwwwwwwwwwww
wwwwwww wbwwwww w.wwwww w196w wwwwww
wwwwwww wbw wwwwww.w wwwwww.9w wwwwww6w wwwwww6w
WWWW Wblw WW WW WW W.W W.W W.W W.W W.W W.W

© 2009 Copyright