



Ειδικά Θέματα Τεχνολογίας Λογισμικού

Παρουσίαση της υλοποίησης:



Ομάδα εργασίας: **debuggers**

Μέλη ομάδας: Παναγόπουλος Νικόλαος 3110145
Χαλδαιάκης Γεώργιος 8110135

Συνεισφορά

🔗 2 Open ✓ 8 Closed

Author ▼

Labels ▼

Milestones ▼

Assignee ▼

Sort ▼

🔗 **Fixing issue #64** ✓

#65 opened on Apr 18 by p3110145

💬 6

🔗 **Fixing cell pathfinding** ✓

#63 opened on Apr 17 by p3110145

🔗 **Fixing findPath** ✓

#60 opened on Apr 4 by p3110145

🔗 **Update NodeLoc.java** ✓

#59 opened on Apr 3 by p3110145

🔗 **minor decoupling** ✓

#58 opened on Apr 3 by p3110145

🔗 **Fixing Pet Resurrection more than once issue** ✓

#56 opened on Mar 29 by p3110145

💬 0

🔗 **Fixing path finding issue** ✓

#55 opened on Mar 26 by p3110145

💬 0

🔗 **Reworking SummonEffectsTable, L2PetInstance, L2ServitorInstance.** ✓

#52 opened on Mar 25 by p3110145

💬 0

🔗 2 Open ✓ 8 Closed

Author ▼

🔗 **Cell pathfinding testing with TestNG** ✓

#68 opened 29 days ago by p3110145

🔗 **Cell pathfinding testing** ✓

#61 opened on Apr 6 by p3110145

Cell pathfinding testing (JUnit)

Cell pathfinding testing #61

[Edit](#)

 **Open** p3110145 wants to merge 5 commits into `L2J:master` from `aueb-debuggers:cell_pathfinding_testing`

 Conversation **9**

 Commits **5**

 Files changed **13**

+1,275 -622 

 Commits on May 18, 2015



Removing cell pathfinding dependencies from GeoData ...

p3110145 authored 21 days ago

d99aea4



Renaming Factory classes ...

p3110145 authored on May 8

9668a15



Decoupling GeoData from cell pathfinding completely ...

p3110145 authored on Apr 5 → p3110145 committed 20 days ago

d0420f5



Testing cell pathfinding ...

p3110145 authored 20 days ago

1684f1e



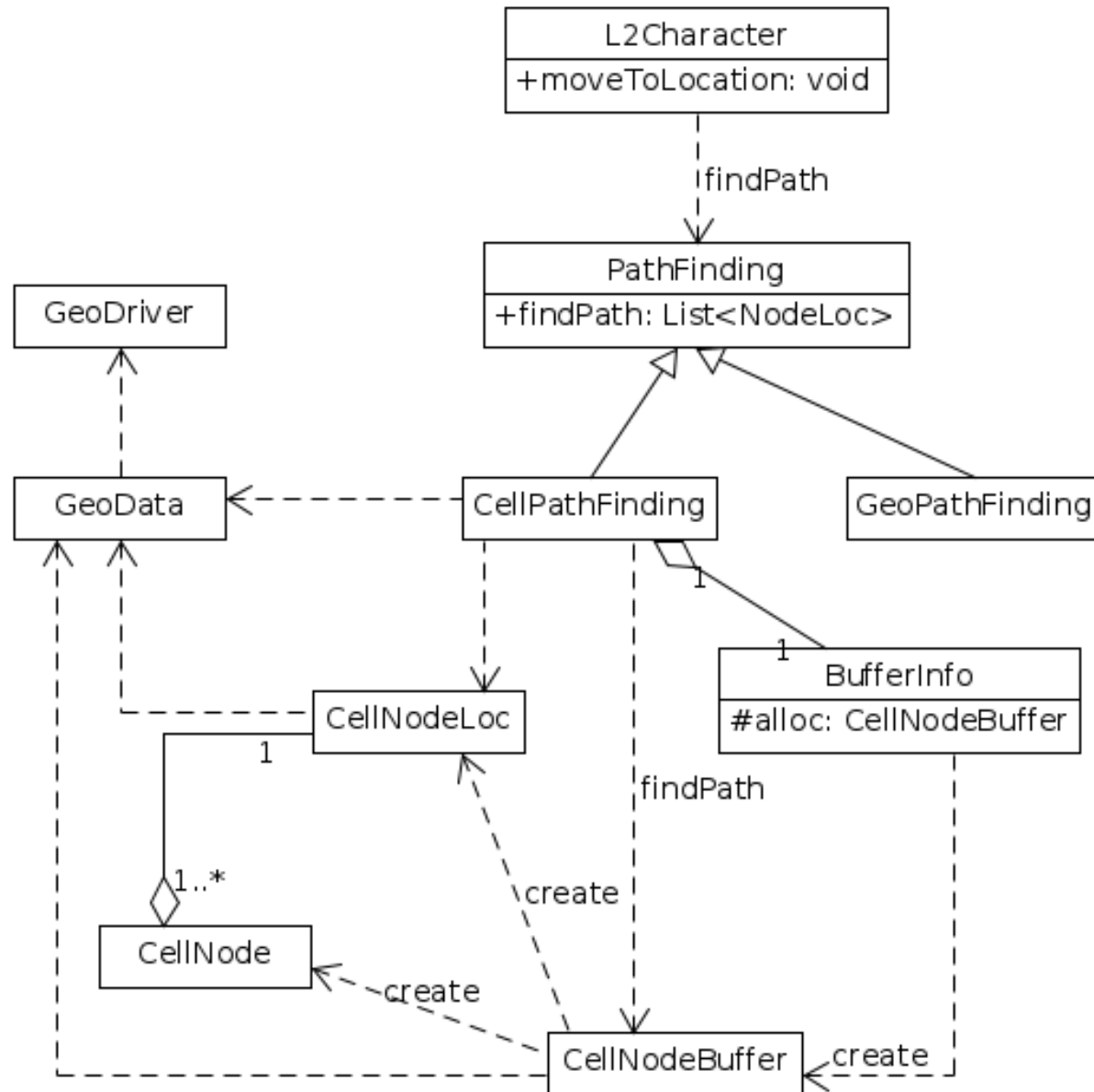
Testing CellNodeBuffer

p3110145 authored 20 days ago 

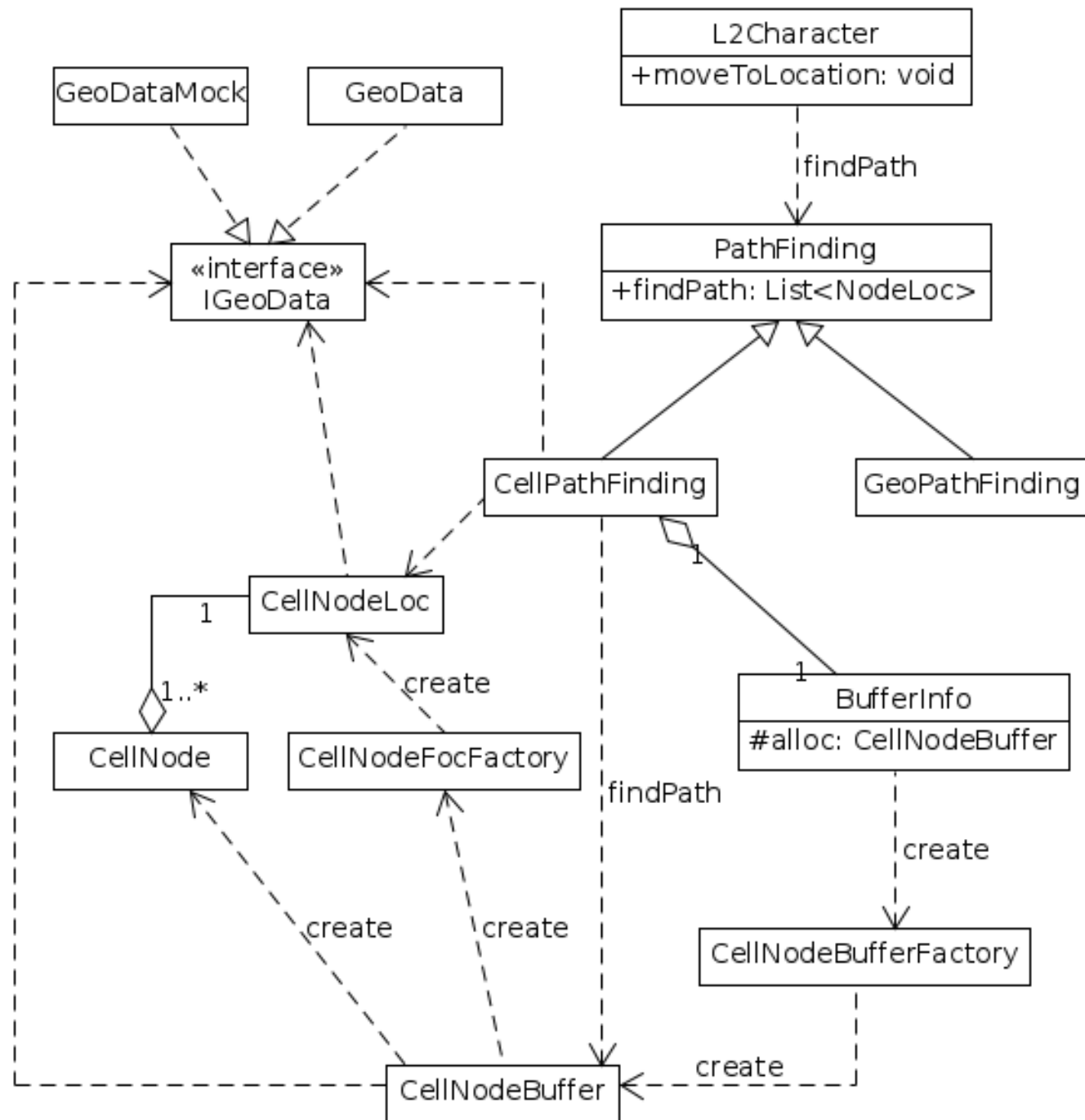
58a5d33



Πριν:



Τελικό:



Cell pathfinding testing with TestNG

Cell pathfinding testing with TestNG #68

[Edit](#)**Open**

p3110145 wants to merge 7 commits into `L2J:master` from `aueb-debuggers:cell_pathfinding_testNG`

[Conversation](#) 9[Commits](#) 7[Files changed](#) 17+1,463 -611 ■■■■■[Commits on May 17, 2015](#)

Decoupling GeoData from cell pathfinding completely ...

p3110145 authored on Apr 5 → p3110145 committed 21 days ago

[637b856](#)

Renaming Factory classes ...

p3110145 authored on May 8

[801a18b](#)

TestNG integration ...

p3110145 authored 29 days ago ✓

[9c77a31](#)

Removing cell pathfinding dependencies from GeoData ...

p3110145 authored 21 days ago

[a9ee45e](#)

Testing cell pathfinding ...

p3110145 authored 29 days ago

[c7e2b37](#)

Creating ant targets test, compile-tests ...

p3110145 authored 29 days ago

[37d5dd8](#)

Testing CellNodeBuffer

p3110145 authored 29 days ago ✓

[2ac3e8b](#)

Unit Testing

- Υλοποίηση με JUnit
- Porting σε TestNG (μικρές διαφορές)
- Έλεγχο για ακραίες τιμές
- Έλεγχος ταυτοχρονισμού με χρήση Thread Pool
- Προσομοίωση κόσμων τύπου GeoData

Coverage

- Κάλυψη κύριου πακέτου 87.5%
- Συνολική κάλυψη 0.4%



com.l2jserver.gameserver.pathfinding.cellnodes (Jun 5, 2015 2:08:10 PM)

Element	▼ Coverage	Covered Instructi	Missed Instructioi	Total Instructions
▼ L2J_Server	0.4 %	1,998	545,663	547,661
▼ java	0.4 %	1,998	545,663	547,661
▼ com.l2jserver.gameserver.pathfinding.cellnodes	87.5 %	1,884	270	2,154
▸ CellNode.java	100.0 %	48	0	48
▸ CellNodeBufferFactory.java	98.5 %	772	12	784
▸ CellPathFinding.java	87.9 %	916	126	1,042
▸ CellNodeLocFactory.java	52.9 %	148	132	280
▼ com.l2jserver.gameserver.pathfinding	17.9 %	26	119	145
▸ AbstractNodeLoc.java	100.0 %	3	0	3
▸ AbstractNode.java	27.0 %	20	54	74
▸ PathFinding.java	4.4 %	3	65	68

- Απροσπέλαστα μονοπάτια

```
317     newNode.setParent(_current);
318     newNode.setCost(getCost(x, y, geoZ, weight));
319
320     CellNode node = _current;
321     int count = 0;
322     while ((node.getNext() != null) && (count < (MAX_ITERATIONS * 4)))
323     {
324         count++;
325         if (node.getNext().getCost() > newNode.getCost())
326         {
327             // insert node into a chain
328             newNode.setNext(node.getNext());
329             break;
330         }
331         node = node.getNext();
332     }
333     if (count == (MAX_ITERATIONS * 4))
334     {
335         System.err.println("Pathfinding: too long loop detected, cost:" + newNode.getCost());
336     }
337
338     node.setNext(newNode); // add last
339
340     return newNode;
```

- Στατικές κλήσεις

```
private final void dropDebugItem(int itemId, int num, AbstractNodeLoc loc)
{
    final L2ItemInstance item = new L2ItemInstance(IdFactory.getInstance().getNextId(), itemId);
    item.setCount(num);
    item.spawnMe(loc.getX(), loc.getY(), loc.getZ());
    _debugItems.add(item);
}
```

Priest of Blessing

Darin

Elias

p3110145



Επικοινωνία με την ομάδα ανάπτυξης

Forum: Αναζήτηση πληροφοριών σχετικά με τα σφάλματα (αναφορές κυρίως από χρήστες)

Gitter: Άμεση επικοινωνία με τους προγραμματιστές, τον Project Manager και τους Beta testers

GitHub issues: Αναφορά κυρίως από χρήστες για ελαττώματα (απουσιάζει κάποιο σύστημα ανάθεσης)

GitHub pull requests: Παρατηρήσεις από την ομάδα ανάπτυξης αλλά και από τους χρήστες

Java - Eclipse Task Manager Windows 7 32bit Clone [Running] Terminal

12:17

Terminal

```
File Edit View Terminal Tabs Help
p3110145@i7MiamiSSD:~$ sudo lxc-ls -f
[sudo] password for p3110145:
NAME      STATE    IPV4      IPV6      AUTOSTART
-----
hadoop1    STOPPED  -          -          NO
l2jserver  RUNNING  192.168.122.10  -          NO
snort      STOPPED  -          -          NO
```

Windows 7 32bit Clone [Running] - Oracle VM VirtualBox

Machine View Devices Help

Lineage II

85 p3110145

CP 965/965

HP 2412/2412

MP 1093/1093

100.00%

Elias

Darin

p3110145

Nevit's Blessings

<Rec Bonus>

Bonus Exp : 0%

Bonus Time : Qu

<Hunting Bonus>

and developed by L2J Team at www.l2jserver.com

Copyright 2004-2014

Thank you for 10 years!

Seven Signs: Preparations have begun for the next quest event.

Announcements: Thanks for using L2J.

Announcements: <http://www.l2jserver.com/>

You are no longer protected from aggressive monsters.

Task Manager

CPU: 27% Processes: 246 Memory: 82% Swap: 0%

Task	PID	RSS	CPU
java -agentlib:jdwp=transport=dt_socket,suspend=y,address=l...	10879	3.3 GiB	1%
Windows 7 32bit Clone [Running] - Oracle VM VirtualBox	11229	1.5 GiB	25%
java	9228	707.3 MiB	0%
spotify	6528	192.7 MiB	0%
SpotifyHelper --type=renderer --js-flags=--harmony-proxies --no...	6633	129.6 MiB	0%
java -agentlib:jdwp=transport=dt_socket,suspend=y,address=l...	10826	108.4 MiB	0%
pot:/0 -nolisten tc...	1176	86.3 MiB	0%
-plugin-dir=/usr/...	3149	62.7 MiB	0%
ony-proxies --no...	6599	60.0 MiB	0%
ony-proxies --no...	6581	54.8 MiB	0%
28.5.425302895 ...	6612	49.4 MiB	0%
ony-proxies --no...	6578	46.8 MiB	0%
	8422	44.1 MiB	0%
c-d82a-4bd7-ad...	1882	34.8 MiB	0%
-en-US -locale	6535	32.8 MiB	0%

geodata - Properties

General Emblems Permissions

Name: geodata

Kind: folder

Location: ...0145/git/L2J_DataPack/L2J_DataPack/dist/game/data

Modified: 03/28/2015

Accessed: Today

Size: 207 items, totalling 1.2 GB

Usage: 86.9 GB of 217.8 GB free (60% used)

Package Ex Navigator JUnit Git Reposit Results of r

Finished after 0.091 seconds

Runs: 6/6 Errors: 0 Failures: 0

com.l2jserver.gameserver.pathfinding.cellnodes.CellNodeBufferFactoryTest [Runner: JUnit4]

- testMaxIterations (0.021 s)
- testAddNodeNull (0.015 s)
- test (0.007 s)

com.l2jserver.gameserver.pathfinding.cellnodes.CellPathFindingTest [Runner: JUnit4]

- testFindPath (0.004 s)
- testConcurrency (0.009 s)
- testConstructor (0.004 s)

Results of running class UPnPService, ...

Tests: 1/1 Methods: 6 (2313 ms)

Search: Passed: ☒

All Tests Failed Tests Summary

Default suite (6/0/0/0) (0.075 s)

- Default test (0.075 s)
 - com.l2jserver.gameserver.pathfinding.cellnodes.CellPathFindingTest
 - testConcurrency (0.042 s)
 - testConstructor (0.001 s)
 - testFindPath (0.001 s)
 - com.l2jserver.gameserver.pathfinding.cellnodes.CellNodeBufferFactoryTest
 - test (0.001 s)
 - testAddNodeNull (0.009 s)
 - testMaxIterations (0.021 s)

Μετά:

```
String[] map =
{
    "#####", // 0
    "# ##### #" // 1
    "# ##### #" // 2
    "# ##### #" // 3
    "# ##### #" // 4
    "#          #" // 5
    "#####", // 6
    "#####", // 7
    "#          #" // 8
    "#####", // Y9
    // X:0123456789
};
```



**THANK YOU
FOR
YOUR
ATTENTION!
ANY QUESTIONS?**

Debuggers ®