

Deliverable 3 Part 2

System Components:

We have five most important system components for this project.

The main function: Take inputs from command line and display certain output if there is any. All the backend functions will be called in main with commands. It collaborates and connects the functions in the backend and communicates with the front end.

The pull data function: This function accepts different formats of databases such as a csv file, an xml file or an online database and pulls necessary data from them.

The format data function: This function takes the data pulled from the pull data function and formats it so that we are able to store it in our own data structure. This allows us to use the data the way we want to.

The compare function: This function takes data from different resources and compares it with the OEC database. It finds the differences between databases and the OEC database.

The file generator function: This function takes data from the previous functions and creates xml files for star systems when there are differences between the databases' star systems.

The Github function: This function interacts with Github from a local repository. Whenever differences between databases are noticed and new star system xml files are generated, it will send pull requests to the OEC Github repository.

Product Backlog:

The screenshot displays the Jira Product Backlog for the project CSCC01-TMNT. The interface includes a sidebar with navigation options like Features, Stories, Past, Current, Future, and a Recycle Bin. The main area shows a list of 18 user stories in a table format. The table columns are: Ord..., Work Item Type, Title, State, Priority, Story Points, Iteration Path, and Tags. The stories are ordered by priority and state, with some marked as 'New', 'Active', 'Resolved', or 'In progress'.

Ord...	Work Item Type	Title	State	Priority	Story Points	Iteration Path	Tags
1	User Story	Add planet feature	New	2	5	CSCC01-TMNT\v1.1	PD
2	User Story	UI size options	New	4	2	CSCC01-TMNT\v2.0	PD
3	User Story	User guide	New	4	10	CSCC01-TMNT\v2.0	PD
4	User Story	Notification messages	Active	4	1	CSCC01-TMNT\v2.0	PD
5	User Story	Mark information feature	New	4	4	CSCC01-TMNT\v2.1	NY
6	User Story	Search function	New	3	10	CSCC01-TMNT\v1.2	NY
7	User Story	Button for updates	New	4	1	CSCC01-TMNT\v2.0	NY
8	User Story	No casual elements	New	4	1	CSCC01-TMNT\v2.0	HR
9	User Story	Manual update	Resolved	1	8	CSCC01-TMNT\v1.0	HR
10	User Story	Download database	Resolved	1	5	CSCC01-TMNT\v1.0	HR
11	User Story	Take command line options	Resolved	1	5	CSCC01-TMNT\v1.0	HR
12	User Story	Merge data in different format	Resolved	1	4	CSCC01-TMNT\v1.0	HR
13	User Story	Send update by pull request	Resolved	1	5	CSCC01-TMNT\v1.0	HR
14	User Story	Auto-check update	Active	2	2	CSCC01-TMNT\v1.1	HR
15	User Story	E-mail notification	New	2	1	CSCC01-TMNT\v1.1	HR
16	User Story	Sound notification	New	4	1	CSCC01-TMNT\v2.0	HR
17	User Story	Updates display format	New	4	4	CSCC01-TMNT\v2.0	HR
18	User Story	Display conflict	New	4	4	CSCC01-TMNT\v2.1	HR

CSCC01-TMNT

Home Code Work Build & Release Test

Search work items

Backlogs Queries

Features

Stories

Past

Current

v1.1

Future

v1.2

v2.0

v2.1

Recycle Bin

Stories

Backlog Board

Forecast Off Parents Hide In progress items Show Mapping Off

New

Create query Column options

Type User Story

Title

Add

Ord...	Work Item Type	Title	State	Priority	Story Points	Iteration Path	Tags
5	User Story	mark information feature	New	4	4	CSCC01-TMNT\v2.1	NY
6	User Story	Search function	New	3	10	CSCC01-TMNT\v1.2	NY
7	User Story	Button for updates	New	4	1	CSCC01-TMNT\v2.0	NY
8	User Story	No casual elements	New	4	1	CSCC01-TMNT\v2.0	HR
9	User Story	Manual update	Resolved	1	8	CSCC01-TMNT\v1.0	HR
10	User Story	Download database	Resolved	1	5	CSCC01-TMNT\v1.0	HR
11	User Story	Take command line options	Resolved	1	5	CSCC01-TMNT\v1.0	HR
12	User Story	Merge data in different format	Resolved	1	4	CSCC01-TMNT\v1.0	HR
13	User Story	Send update by pull request	Resolved	1	5	CSCC01-TMNT\v1.0	HR
14	User Story	Auto-check update	Active	2	2	CSCC01-TMNT\v1.1	HR
15	User Story	E-mail notification	New	2	1	CSCC01-TMNT\v1.1	HR
16	User Story	Sound notification	New	4	1	CSCC01-TMNT\v2.0	HR
17	User Story	Updates display format	New	4	4	CSCC01-TMNT\v2.0	HR
18	User Story	Display conflict	New	4	4	CSCC01-TMNT\v2.1	HR
19	User Story	Modify incorrect data	New	4	1	CSCC01-TMNT\v2.1	HR
20	User Story	Typos detector	New	3	8	CSCC01-TMNT\v1.2	HR
21	User Story	Updates notification format	New	4	1	CSCC01-TMNT\v2.0	HR
22	User Story	View personal update history	New	4	1	CSCC01-TMNT\v2.1	RG

During the first sprint, we figured out the amount of story points we are able to burn down for each sprint. By knowing our expected project velocity for each sprint, we removed some epics from our product backlog that we are never going to implement. For example, we removed user stories about interface and features for unprofessional users. We also split the general manual update database story into more specific stories such as pull database, save database, and update command.

Sprint Plan:

USER STORY 165

165 Save database

Mingyu Chen

0HR X +

Save & CloseFollowRefreshMore

Updated by Zeyu Li 6 minutes ago

DetailsHistory(4)Trash

StateResolvedAreaCSCC01-TMNTReasonCode complet...IterationCSCC01-TMNT\1.0

Description

As HR, I want to save the database which is pulled from other source to be saved locally in a csv file so that I can have further modification on it.

Acceptance Criteria

Discussion

Planning

Story Points3Priority1Risk

Classification

Value areaBusiness

Development

+ Add link

Development hasn't started on this item.
[Create a new branch](#)

Related Work

+ Add link

Child (4)

168 documentation

Updated 7 minutes ago, Closed

166 development

Updated 6 minutes ago, Closed

167 testing

Updated 7 minutes ago, Closed

169 bug fix

Updated 7 minutes ago, Closed

USER STORY 128

128 Manual update

Mingyu Chen

0HR X +

Save & CloseFollowRefreshMore

Updated by Zeyu Li 13 minutes ago

DetailsHistory(6)Trash

StateResolvedAreaCSCC01-TMNTReasonCode complet...IterationCSCC01-TMNT\1.0

Description

As HR, I want there to be a manual update feature so that I can get the latest discoveries whenever I want.

Acceptance Criteria

Discussion

Planning

Story Points5Priority1Risk

Classification

Value areaBusiness

Development

+ Add link

Development hasn't started on this item.
[Create a new branch](#)

Related Work

+ Add link

Parent

7 Compare Differences

Updated 10/14/2016, New

Child (5)

143 documentation

Updated 13 minutes ago, Closed

164 development-read XML input

Updated 11 minutes ago, Closed

144 bug fix

Updated 11 minutes ago, Closed

141 development-read CSV input

Updated 11 minutes ago, Closed

142 testing

Updated 13 minutes ago, Closed

USER STORY 129

129 Pull database

Leo Li

0

HR X +

Save & Close

Follow

Refresh

More

Updated by Zeyu Li 9 minutes ago

Details

History (5)

Trash

Statg

Resolved

Area

CSCC01-TMNT

Reason

Code complet...

Iteration

CSCC01-TMNT\1.0

Description

B I U A

As HR, I want the application to be able to pull database from a given website database, xml file or a csv file.

Acceptance Criteria

B I U A

Discussion

Add a comment. Use # to link a work item or @ to mention a person

Planning

Story Points

5

Priority

1

Risk

Classification

Value area

Business

Development

+ Add link

Development hasn't started on this item.

Create a new branch

Related Work

+ Add link

Parent

6 Downloading database
Updated 10/14/2016, ● New

Child (4)

156 bug fix
Updated 8 minutes ago, ● Closed

153 development
Updated 9 minutes ago, ● Closed

155 documentation
Updated 9 minutes ago, ● Closed

154 testing
Updated 11 minutes ago, ● Closed

USER STORY 3

3 Take command line options

Zeyu Li

0

HR X +

Save & Close

Follow

Refresh

More

Updated by Zeyu Li Sunday

Details

History (5)

Trash

Statg

Resolved

Area

CSCC01-TMNT

Reason

Code complet...

Iteration

CSCC01-TMNT\1.0

Description

B I U A

As HR, I want the application to be able to use command line options.

Acceptance Criteria

B I U A

Discussion

Add a comment. Use # to link a work item or @ to mention a person

Planning

Story Points

5

Priority

1

Risk

Classification

Value area

Business

Development

+ Add link

Development hasn't started on this item.

Create a new branch

Related Work

+ Add link

Parent

5 Parse command line
Updated 10/14/2016, ● New

Child (4)

62 testing
Updated 11 minutes ago, ● Closed

64 bug fix
Updated 10 minutes ago, ● Closed

61 development
Updated 11 minutes ago, ● Closed

63 documentation
Updated 10 minutes ago, ● Closed

USER STORY 39

39 Merge data in different format

Jiachen He

0HR X +

Save & CloseFollowRefreshMore

StatgResolvedAreaCSCC01-TMNTUpdated by Zeyu Li 13 hours ago

ReasonCode complet...IterationCSCC01-TMNTv1.0Details5

Description

B I U A L Link Comment

As Heat Richard, I want the application to accept different data format so that I will be able to receive updates from all catalogues.

Planning

Story Points4Priority1Risk

ClassificationValue areaBusiness

Development

+ Add link

Development hasn't started on this item.
[Create a new branch](#)

Related Work

+ Add link

Parent

7 Compare Differences
Updated 10/14/2016, New

Child (4)

110 bug fix
Updated 10 minutes ago, Closed

107 development
Updated 10 minutes ago, Closed

109 documentation
Updated 10 minutes ago, Closed

108 testing
Updated 10 minutes ago, Closed

Acceptance Criteria

B I U A L Link Comment

Discussion

Add a comment. Use # to link a work item or @ to mention a person

USER STORY 31

31 Send update by pull request

Yutong Chen

0HR X +

Save & CloseFollowRefreshMore

StatgResolvedAreaCSCC01-TMNTUpdated by Zeyu Li 7 minutes ago

ReasonCode complet...IterationCSCC01-TMNTv1.0Details5

Description

B I U A L Link Comment

As Heat Richard, I want the updates to be sent via pull request so that it will save much effort for merging updates.

Planning

Story Points5Priority1Risk

ClassificationValue areaBusiness

Development

+ Add link

Development hasn't started on this item.
[Create a new branch](#)

Related Work

+ Add link

Parent

8 Merge into git
Updated 10/14/2016, New

Child (4)

84 bug fix
Updated 9 minutes ago, Closed

81 development
Updated 10 minutes ago, Closed

83 documentation
Updated 10 minutes ago, Closed

82 testing
Updated 10 minutes ago, Closed

Acceptance Criteria

B I U A L Link Comment

Discussion

Add a comment. Use # to link a work item or @ to mention a person

CSCC01-TMNT Team v1.0

October 15 - October 24

10 work days

Backlog

Board

Capacity

Work details On

New

+

-

Create query

Column options

Type

User Story

Title

Add

	Title	State	Assigned To	Story Points	Priority
+ >	Save database	Resolved	Mingyu Chen	3	1
>	Manual update	Resolved	Mingyu Chen	5	1
>	Pull database	Resolved	Leo Li	5	1
>	Take command line options	Resolved	Zeyu Li	5	1
>	Merge data in different format	Resolved	Jiachen He	4	1
>	Send update by pull request	Resolved	Yutong Chen	5	1

Task Board after first Sprint:

Stories

Backlog

Board

New

<

Active

2/5

Resolved

6/5

Closed

>

+ New item

Add planet feature

5

PD

0/4

UI size options

2

PD

0/4

User guide

10

PD

0/4

Mark information feature

4

NY

0/4

Notification messages

1

Zeyu Li

PD

0/4

Auto-check update

2

Zeyu Li

HR

0/4

Save database

3

Mingyu Chen

HR

4/4

Manual update

5

Mingyu Chen

HR

5/5

Pull database

5

Leo Li

HR

4/4

Take command line options

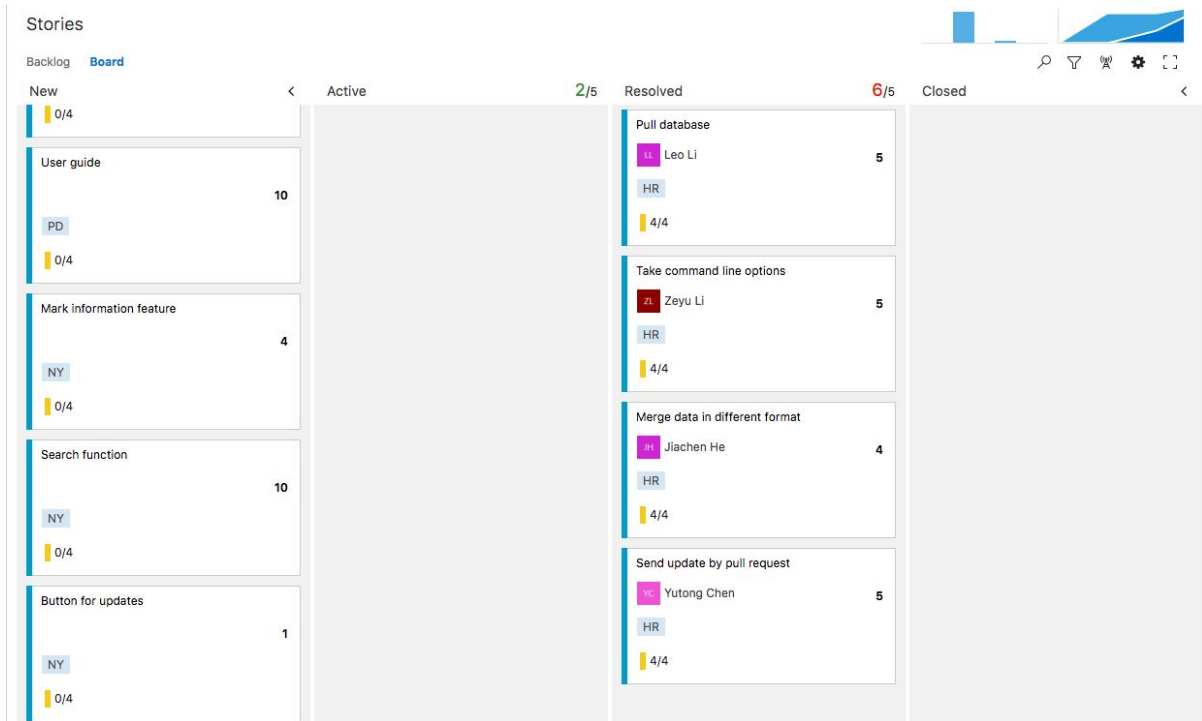
5

Zeyu Li

HR

4/4

Merge data in different format



Burn Down Chart:

Burndown for: v1.0



From deliverable 2 to deliverable 3, we have implemented features for the user stories with the highest priority. We modified some vague and general user stories to more specific stories. We also noticed that we have some epics in our product backlog that we will never implement, so we have removed all those user stories and the related persona.

The estimated project velocity for this sprint was 27 story points.

The actual project velocity for this sprint is 27 story points.

We did not follow our plan exactly. We burned down some story points from Oct 17 to Oct 18 as we planned since it was a normal work day. However, there were several midterm exams happening during that week so we did not have spare time for the burn down. After finishing the week on Oct 21, we replanned and decided to burn all the remaining work during the weekend.