larliteintegration - Feature #10870

Feature # 10779 (Closed): Demonstrator for Use Case 2

Create and fork toy "user repository" for Use Case 2

11/06/2015 03:12 PM - Marc Paterno

Status:	Closed		Start date:	11/26/2015
Priority:	Normal		Due date:	11/26/2015
Assignee:	David Dagenhart		% Done:	100%
Category:			Estimated time:	16.00 hours
Target version:			Spent time:	57.00 hours

Description

create repository containing toy "user of LArLite" data products and algorithms. (either from use case 1 above or from an existing sample of a LArLite user repository)

fork of that repository, suitable for building UPS products from the appropriate code, and write the build of the UPS products

Related issues:

Precedes larliteintegration - Feature #10871: Create and populate repository ...	**Closed**	**11/27/2015**	**11/27/2015**
Follows larliteintegration - Feature #10866: create makefiles that build a ne...	**Closed**	**11/25/2015**	**11/25/2015**

History

#1 - 11/06/2015 03:16 PM - Marc Paterno

- Precedes Feature #10871: Create and populate repository for wrapper code added

#2 - 11/06/2015 03:20 PM - Marc Paterno

- Follows Feature #10866: create makefiles that build a newly-invented LArLite-using program, using an installed LArSoft version. added

#3 - 02/03/2016 01:34 PM - David Dagenhart

- Status changed from Accepted to Closed

- Assignee set to David Dagenhart

- % Done changed from 0 to 100

This is case where an algorithm is developed in larlite and then we want to use it in larsoft, but continue developing in larlite. The demonstrator consists of a repository containing a fake algorithm that can run in larlite. The algorithm takes as input larsoft recob::Hit's and produces larsoft recob::Clusters. Then the repository is forked. In the fork a branch is made in which larlite dependent parts are dropped and the algorithm built and packaged as a UPS product so it can be used in larsoft. This is similar to how external products like root are handled.

Note that given the current organization of larlite data format code requiring data formats in the core part of larlite, this test does not include a data format part only an algorithm.