

## **SPDX Productization Team**

### **Members:**

Alvaro Reis  
David Le  
Nick Boeckman  
Zac McFarland

### **Assignment 1**

**Charter and Description:** SPDX productization will be created as a plugin for the SPDX document dashboard. The main goal of this project will be to create a relationship between products and spdx documents and relationships between versions of software. This will provide reports of license changes to products and packages over time. SPDX productization will also provide the ability to generate QR codes for products to allow users to send out their own notices with their products; SPDX productization will not create the specific notice, just the ability. This is to account for differences users may have in their specific notices.

### **System Service Request:**

- GitHub Repository for code/documentation
- Open Source IDE for HTML development
- Database Schema used by “Dashboard” team
- Google Docs for documentation collaboration.
- Windows, OSX
- Coding languages: JavaScript/HTML/CSS/PHP

### **Stakeholders:**

CSCI 4900 “Dashboard” team  
Database Administrator  
- Liang Cao  
SPDX OSS Community

**Community Management Plan:** Our team plans to hold regular meetings every Tuesday at 5:30, in addition to class times on Mondays and Wednesdays. We have utilized a number of correspondence methods, including email, Google Docs, and the GitHub repository.

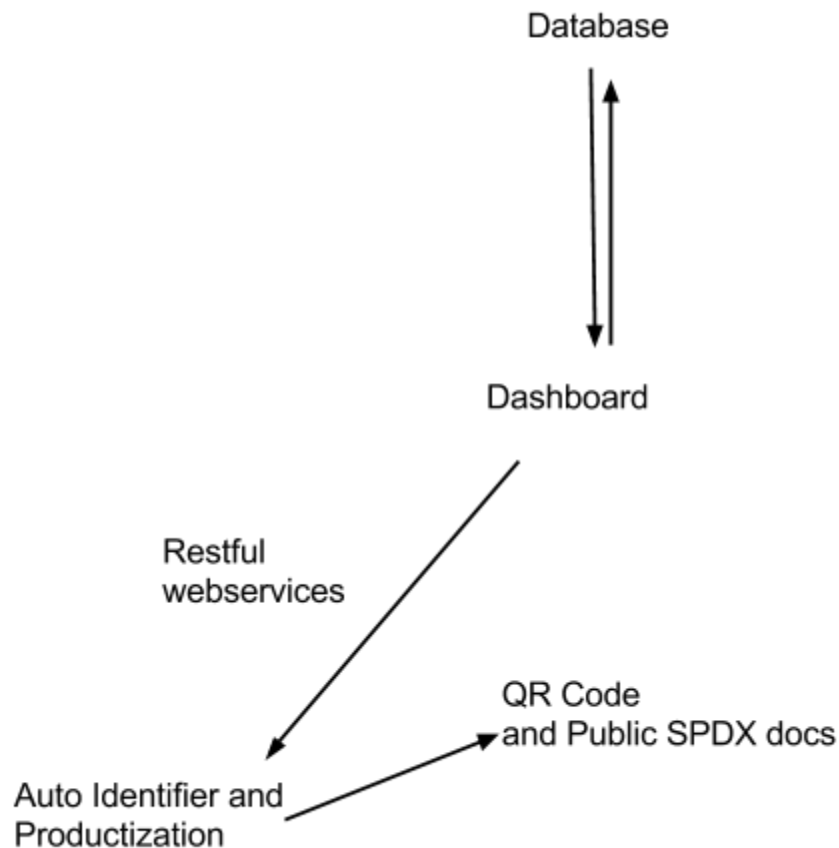
Communication with the community will take place within the GitHub repository :

<https://github.com/zwmcfarland/CSCI-4900>

### **Distribution System:**

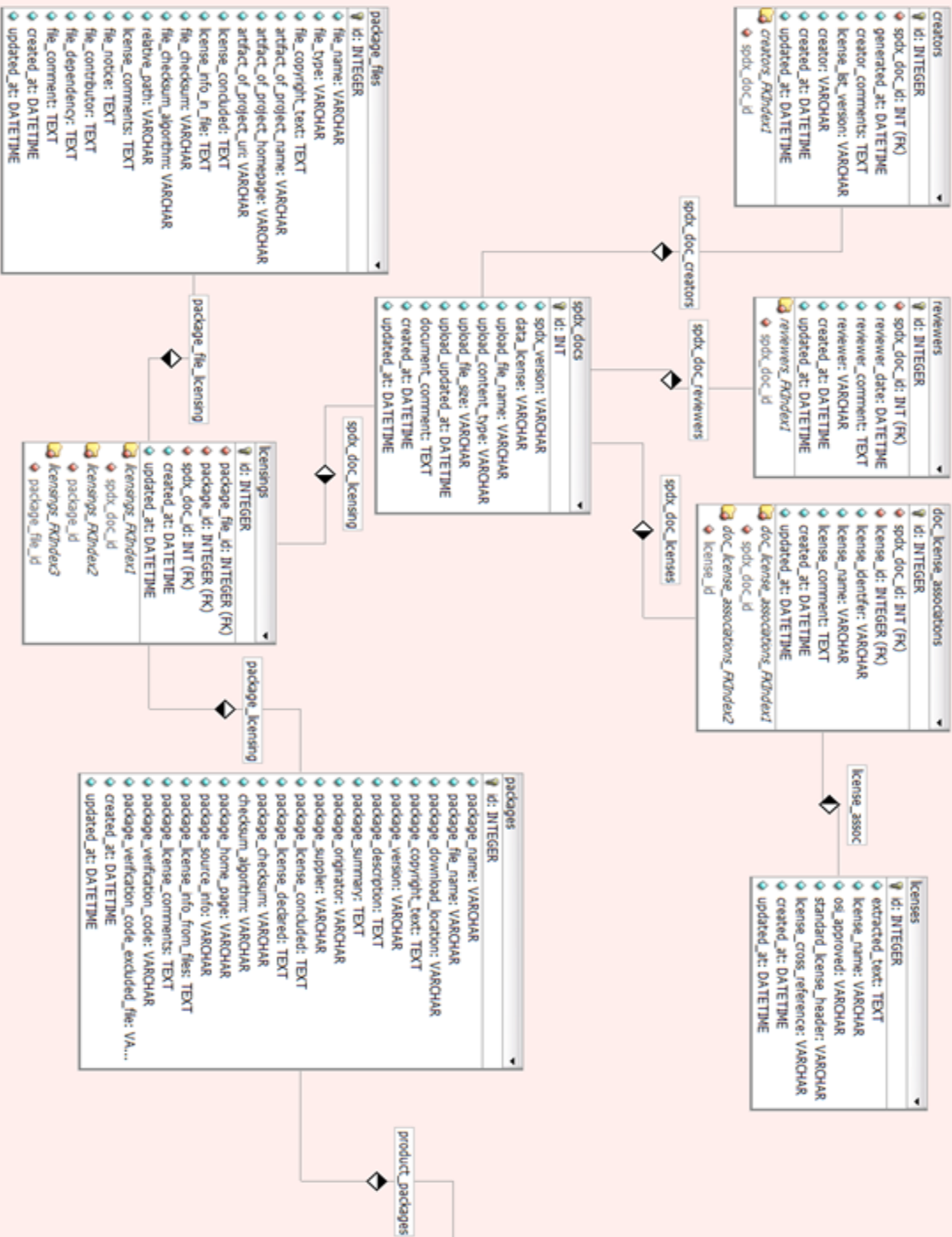
Assignments such as this one will be emailed to the professor.  
Code and project documentation will all be uploaded to the GitHub Repository.

**Structure Data Flow Diagram:** The diagram listed here is an overview of the system as it related to the SPDX productization module, including the different components of the module, and how they relate to the dashboard and database. Currently we are unsure if we will be connecting directly to the database or connecting via restful web services provided by the dashboard.

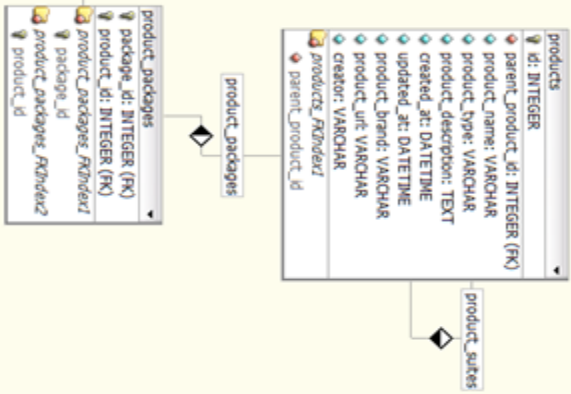


**Database:** Our group will be using the same database that the SPDX Dashboard Team and Yocto Team are using. However we will require a couple of extra tables to support the productization of SPDX packages. Currently we are unsure if we will be connecting directly to the database or connecting via restful web services provided by the dashboard.

Current SPDX Database Schema



Proposed Changes to support Productization



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Creative Commons BY-SA-3.0 - Chosen because it allows people to share and adapt for any purpose. A copy of the license text can be found in our gitHub repository.

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**Change Log:**

- 1/28/2014 Zachary McFarland :
  - Created document.
- 1/28/2014 Alvaro, David, Nick, Zac :
  - Updated document with initial project specifications and plans.
- 1/29/2014 Nick Boeckman:
  - Created dataflow diagram.
- 2/3/2014 Zachary McFarland:
  - Added individual Contributions section.
  - Revised charter and description.
  - Added database diagram.
- 2/4/2014 David, Nick, Zac :
  - Finish off preliminary requirements for the project
  - Added additional clarification on our decisions, where needed

**Individual Contributions:**

Name:	Alvaro Reis
Group:	AIRS
1) Explain how you were involved in the group.	Verifying if we were following the requisites and giving opinions about what we were doing.
2) What did you specifically contribute to the group? Not, how did you help someone else.	create one slide of the presentation
3) What would you like me to specifically grade you on because you feel that it is most representative of your work?	I'm concerned and engaged with the team, going to meetings and letting them know in time if something goes wrong. Thus I'd like to be

	graded on the characteristics given above.
4) How did you coordinate your group activities between the various components?	using google docs, meetings.
5) What were your experiences and difficulties with this assignment?	It's been pretty difficult to follow/give ideas since my english is not that good.
6) What are you going to do differently next assignment to overcome these difficulties?	Ask more to my colleagues when I don't get something
Signed Off By: <<Your team members>>	Zachary McFarland David Le Nick Boeckman

Name:	David Le
Group:	AIRS
1) Explain how you were involved in the group.	Active participation; voicing ideas and opinions that were taken into consideration when establishing project goals and scope, as well as group expectations.
2) What did you specifically contribute to the group? Not, how did you help someone else.	I've made revisions to the charter and management plan specifically, and the input I vocalized made it into several different sections of this assignment.
3) What would you like me to specifically grade you on because you feel that it is most representative of your work?	I honestly feel this was a strong group effort in that everyone had a say in everything that came to be. I guess if it's a category, I'd like to be graded on just promoting and participating in a team environment that actually works together.
4) How did you coordinate your group activities between the various components?	Email to confirm meetings, Google docs to collaborate, and meetings to work in person when schedules worked.
5) What were your experiences and difficulties with this assignment?	Understanding and visualizing what our project needs to accomplish.

6) What are you going to do differently next assignment to overcome these difficulties?	Clearing up expectations and goals among ourselves, the class, and the professor.
Signed Off By: <<Your team members>>	Zachary McFarland Alvaro Reis Neto Nick Boeckman

Name:	Nick Boeckman
Group:	AIRS
1) Explain how you were involved in the group.	My main involvement with the group is the creation of the data flow diagram, and the discussions about the system and its requirements.
2) What did you specifically contribute to the group? Not, how did you help someone else.	On top of what I already listed above, I also suggested using Google Docs as a way we can all work on assignments such as this at the same time.
3) What would you like me to specifically grade you on because you feel that it is most representative of your work?	I feel its hard to pick something that is just representative of my work for this assignment because of the structure of this assignment. The data flow diagram would probably be the best choice for me specifically, even though the final drawing isn't just mine.
4) How did you coordinate your group activities between the various components?	Our coordination has mainly been through email and Google Docs. We were able to have a proper meeting on January 28th, but because of weather were only able to correspond through Google Docs to get the assignment finished.
5) What were your experiences and difficulties with this assignment?	The most difficult part of this assignment was probably actually trying to figure out what the requirements of the system were, and how everything connects.
6) What are you going to do differently next assignment to overcome these difficulties?	I have a feeling that we are still missing some points for this system, mainly because we really don't have as clear of a picture on what this specific component is to begin with. This should become more clear with time.

Signed Off By: <<Your team members>>	Zachary McFarland Alvaro Reis Neto David Le
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Name:	Zachary McFarland
Group:	SPDX Productization.
1) Explain how you were involved in the group.	For this assignment I have sort of become the liaison for communication to other groups.
2) What did you specifically contribute to the group? Not, how did you help someone else.	I also initially created this document and created the github repository.
3) What would you like me to specifically grade you on because you feel that it is most representative of your work?	For this assignment I think I have mostly been working on communication and getting a an work environment up and running. I also created the DB diagram.
4) How did you coordinate your group activities between the various components?	We have been using google docs to do all of our collaboration in this specific assignment.
5) What were your experiences and difficulties with this assignment?	I feel we still really don't have a solid grasp on what the scope of the SPDX Productization project is.
6) What are you going to do differently next assignment to overcome these difficulties?	I think once we start actually developing the software we can really get a feel for what is required. Also we may want to talk to the SPDX community to see what their wants/needs are.
Signed Off By: <<Your team members>>	Nick Boeckman Alvaro Reis Neto David Le