



## The Non-Profit FOSS Institute Triad Roadmaps

The Non-Profit FOSS Institute assists college-level instructors and their classes to develop prototype software tools for non-profits. The resulting software artifacts are supported by local software firms. Together, the Instructor/Class, Non-Profit, and Software Firm form a “triad.” While each triad’s activities will be unique depending on the local situation, the roadmap below provides a general overview of the steps that triad members can take to ensure successful project formation, execution, and deployment.

Phase	NPMI	Instructor/Class Team	Non-Profit	Software Firm
1. Planning	<b>LEAD:</b> Identifies new triads and provides sample projects and resources	<b>LEAD:</b> Computer science instructor establishes a service learning class to develop Client-Oriented FOSS project.	After being approached by NPMI and/or an instructor, non-profit decides to participate in triad.	
2. Requirements	NPMI provides samples and consults with Instructor and Non-Profit to articulate a feasible project.	<b>LEAD:</b> Instructor develops curricular goals (project plan) and works with non-profit to develop requirements.	<b>LEAD:</b> Non-profit identifies a lead. Lead works with instructor by describing business processes and providing requirements.	Firm is approached and decides to participate in triad.
3. Development	NPMI assists non-profit to recruit and contract with software firm.	<b>LEAD:</b> Class develops software prototype over 1-2 semesters, using agile techniques.	<b>LEAD:</b> Non-profit communicates regularly with class and provides feedback to developers.	Firm observes development and becomes familiar with software.
4. Deployment	NPMI assists non-profit as needed to integrate new software into operations.	Instructor remains available for questions as needed.	<b>LEAD:</b> Non-profit accepts prototype and contracts with software firm for deployment.	<b>LEAD:</b> Firm converts software into a deployable tool, and then deploys it.
5. Training	NPMI provides consulting support as needed.	Instructor remains available for questions as needed.	<b>LEAD:</b> Non-profit trains staff and volunteers to use new tool.	<b>LEAD:</b> Firm trains non-profit on deployment and ongoing use.
6. Support	NPMI provides support if problems occur, and reports outcomes to instructor.	Instructor passes outcomes on to class.	Non-profit uses tool and reports outcomes to NPMI.	<b>LEAD:</b> Firm provides ongoing support and maintenance.