

## Sample Task List 1

### Systems: Argouml, Sweethome3D, and aTunes

- **ArgoUML:** is an open source UML diagramming tool. It includes support for all standard UML diagrams.  
**Features:**
  - Creating and editing diagrams and zooming features.
  - Saving diagrams in different formats (GIF, PNG, PostScript, and more).
  - Code generation for Java, C++, C#, PHP4, and PHP5.
- **SweetHome3D:** is an open source interior design application. It allows a user to draw the floor plan of the house, as well as, to arrange furniture on it. It also provides the user with the ability to visit the results in 3D simultaneously while designing the home in 2D.  
**Features:**
  - Print and export PDFs, bitmap, videos in a standard file formats
  - Create photorealistic images and videos.
  - Customize lights and control sunlight effect according to the time of day and the geographic location.
- **aTunes:** is an open source audio player that supports large playlists with thousands of songs. It supports different formats such as MP3, WAV, WMA, Ogg Vorbis, FLAC, and other formats.  
**Features:**
  - Editing tags, organizing music, and ripping audio CDs.
  - Searching for a particular artist, album, or genres using a filtering option.

### ArgoUML

ID	Method Signature	Path	Class Name
1	public boolean <b>canAddEdge</b> (Object edge)	argouml\argouml\src\argouml-app\src\org\argouml\uml\diagram\deployment\ <b>DeploymentDiagramGraphModel.java</b>	DeploymentDiagramGraphModel
2	public final boolean <b>saveDefault</b> (boolean force)	argouml\argouml\src\argouml-app\src\org\argouml\configuration\ <b>ConfigurationHandler.java</b>	ConfigurationHandler
3	public Iterator <b>childIterator</b> (Object parent)	argouml\argouml\src\argouml-app\src\org\argouml\uml\cognitive\ <b>ChildGenSearch.java</b>	ChildGenSearch
14	public boolean <b>predicate2</b> (Object dm, Designer dsgr)	argouml\argouml\src\argouml-app\src\org\argouml\pattern\cognitive\critics\ <b>CrConsiderSingleton.java</b>	CrConsiderSingleton
15	private void <b>addUserDefinedProfile</b> (String fileName, StringBuffer xmi, ProfileManager profileManager) throws IOException	argouml\argouml\src\argouml-app\src\org\argouml\persistence\ <b>ProfileConfigurationFilePersister.java</b>	ProfileConfigurationFilePersister
18	protected final void <b>removeAllElementListeners</b> (PropertyChangeListener )	argouml\argouml\src\argouml-app\src\org\argouml\notation\ <b>NotationProvider.java</b>	NotationProvider
19	public Collection <b>loadModel</b> (ProfileReference reference)	argouml\argouml\src\argouml-app\src\org\argouml\profile\ <b>ReaderModelLoader.java</b>	ReaderModelLoader
48	public void <b>vetoableChange</b> (PropertyChangeEvent pce)	argouml\argouml\src\argouml-app\src\org\argouml\uml\diagram\collaboration\ <b>CollabDiagramGraphModel.java</b>	CollabDiagramGraphModel

## SweetHome3D

ID	Method Signature	Path	Class Name
20	public String <b>showSaveDialog</b> (View parentView, String dialogTitle, ContentType contentType, String name)	sweethome3d\src\com\eteks\sweethome3d\applet\ <b>AppletContentManager.java</b>	AppletContentManager
24	private void <b>getAreaPoints</b> (Area area, boolean reversed, List<float []> areaPoints, Map<Integer, List<float []>> areaHoles)	sweethome3d\src\com\eteks\sweethome3d\j3d\ <b>Room3D.java</b>	Room3D
21	private void <b>computeBounds</b> (Node node, BoundingBox bounds, Transform3D parentTransformations, boolean transformShapeGeometry)	sweethome3d\src\com\eteks\sweethome3d\j3d\ <b>ModelManager.java</b>	ModelManager
22	private GraphicsConfigTemplate3D <b>createGraphicsConfigurationTemplate3D</b> ()	sweethome3d\src\com\eteks\sweethome3d\j3d\ <b>Component3DManager.java</b>	Component3DManager
25	private void <b>createSwtMenu</b> (Shell shell, UserPreferences preferences, Menu menuBar, AbstractMenuItem menuItem)	sweethome3d\src\com\eteks\sweethome3d\swt\ <b>SwtHomeView.java</b>	SwtHomeView
26	private String <b>getOptionalString</b> (UserPreferences preferences, Class<?> resourceClass, String propertyKey, boolean label)	sweethome3d\src\com\eteks\sweethome3d\swing\ <b>ResourceAction.java</b>	LanguageChangeListener is inner class of ResourceAction

## aTunes

ID	Method Signature	Path	Class Name
6	private void <b>arrangeDialog</b> (final JTextArea textArea, final JPanel patternPreviewPanel, final JPanel availablePatternsPanel, final JButton okButton, final JPanel auxPanel)	atunes\atunes\src\main\java\net\sourceforge\atunes\kernel\modules\pattern\ <b>PatternInputDialog.java</b>	PatternInputDialog
7	public boolean <b>equals</b> (final Object obj)	atunes\atunes\src\main\java\net\sourceforge\atunes\model\ <b>FontSettings.java</b>	FontSettings
8	ApplicationVersion <b>getApplicationVersionFromXml</b> (final Document xml)	atunes\atunes\src\main\java\net\sourceforge\atunes\kernel\modules\updates\ <b>VersionXmlParser.java</b>	VersionXmlParser
9	private List<Entry<T, Integer>> <b>getElementsSorted</b> ()	atunes\atunes\src\main\java\net\sourceforge\atunes\model\ <b>RankList.java</b>	RankList
12	private void <b>fillCdInfo</b> ()	atunes\atunes\src\main\java\net\sourceforge\atunes\kernel\modules\cdripper\ <b>ReadCddaThread.java</b>	ReadCddaThread

## ArgoUML

ID	Method Signature	Path	Class Name
4	public void <b>init</b> ()	argouml\argouml\src\argouml-app\src\org\argouml\pattern\cognitive\critics\ <b>InitPatternCritics.java</b>	InitPatternCritics
16	protected void <b>setStandardBounds</b> (int x, int y, int w, int h)	argouml\argouml\src\argouml-app\src\org\argouml\uml\diagram\deployment\ui\ <b>FigObject.java</b>	FigObject
51	public Object <b>execute</b> ()	argouml\argouml\src\argouml-app\src\org\argouml\kernel\ <b>DefaultUndoManager.java</b>	Interaction is inner class of DefaultUndoManager

## SweetHome3D

ID	Method Signature	Path	Class Name
23	public float <b>getXCenter</b> ()	sweethome3d\src\com\eteks\sweethome3d\model\ <b>Room.java</b>	Room