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Title: Automatic Resume Generator

Project Summary: Upon receiving relevant input by the user e.g. name, education, work history, etc., a personalized resume will be created tailored for the user.

Project Requirements:

ID	Requirement	Topic Area	User	Priority
There are no business requirements				

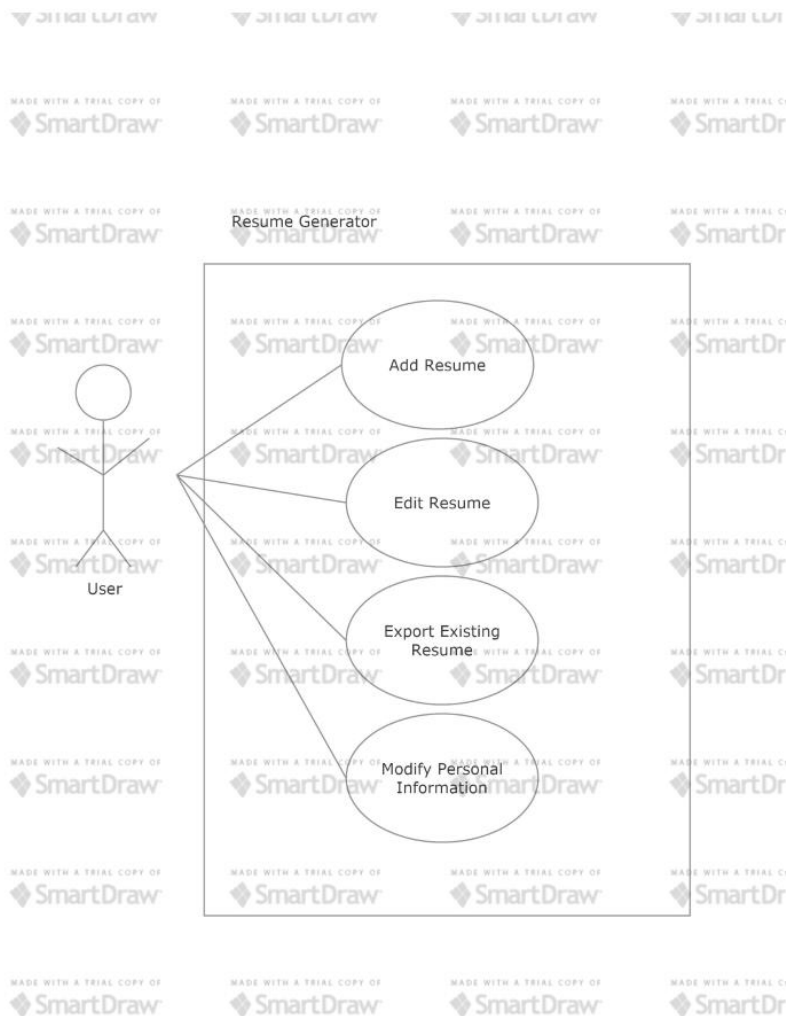
ID	Requirement	Topic Area	User	Priority
User Requirements				
UR-001	As a user I can generate a resume through a GUI.	Resume Generation	User	High
UR-002	As a user I can input all of my information into individual fields.	Resume Generation	User	Critical
UR-003	As a user I can open a resume I created before	Resume Editing	User	Medium
UR-004	As a user I can save my resume in a easy to import format	Resume Exporting	User	Medium
UR-005	As a user I can export my resume to my website.	Resume Exporting	User	Low
UR-006	As a user I can add arbitrary sections (volunteer activities, GPA)	Resume Generation	User	High
UR-007	As a user I can add or delete items from a section	Resume Generation	User	Low

ID	Requirement	Topic Area	User	Priority
Functional Requirements				
FR-001	Code will automatically generate a resume given user information	Resume Generation	User	Critical
FR-002	Several blank fields will be provided upon startup	GUI	User	High
FR-003	Resume sections will be highly customizable, including renaming sections	GUI	User	Medium

FR-004	Program will export resumes to one attractive format.	Resume Generation	User	High
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ID	Requirement	Topic Area	User	Priority
Non-Functional Requirements				
NFR-001	The Resume Builder does not lose data when importing or exporting resumes	Data Integrity	User	High
NFR-002	New file extensions do not require extensive modification to the code	Future-Proofing	User	Low
NFR-003	The resume builder GUI is compatible with assistive technology such as screen readers	Accessibility	User	Low

Use Case Diagram:



Use Case Documents:

Use Case ID:	UC-01
Use Case Name:	Add Resume for the first time
Description:	User can teach the system about his/her name and other useful information, so that it prepopulates this information later.
Actors:	user
Pre-conditions:	The user has never taught the system about his/her personal information.
Post-conditions:	The system knows the name and contact info of the user. A new resume has been created and the add view shows up.

Frequency of Use:	Once, or if user explicitly types edit account.
Flow of Events:	User: 1. Open app. 2. Press create resume. 3. Type name in the name field. 4. Click/press next. 5. Type phone number. 6. Type email in email box. 7. Press finish. 8. Verify information, pressing yes if correct.
Flow of Events:	System Response Add resume view comes up with name, email, and other information showing, and several sections pre filled out.
Variations:	User edits account information, showing only the account wizard. User is dropped back into the main UI after this task is complete.
Exceptions:	
Developer Notes:	
Use Case ID:	UC-02
Use Case Name:	Add new resume.
Description:	User can add a resume, with his/her information prepopulated.
Actors:	User
Pre-conditions:	The user has told the system personal information such as name and email.
Post-conditions:	The system knows the name and contact info of the user. A new resume has been created and the add view shows up.
Frequency of Use:	Any time the user presses add resume.
Flow of Events:	User: 1. Open app. 2. Press create resume. 3. Resume appears, giving the user buttons. 4. Press edit section on the work experience. 5. Press add work experience item. 6. type the work experience, and press done. 7. User presses save section, and is shown the list of sections.

	8. Press save resume. 9. user finds a file. 10. user is put back on the main menu.
Flow of Events:	System Response 1. Add resume view comes up with name, email, and other information showing, and several sections pre filled out. 2. After 8 system has written the resume to disk for later editing.
Variations:	User adds resume, electing to add new sections, or add a node such as a reference to the resume.
Exceptions:	
Developer Notes:	

Use Case ID:	UC-03
Use Case Name:	Edit existing resume
Description:	The user can open an existing resume and edit it.
Actors:	User
Pre- conditions:	The user must have previously created a resume with the app.
Post- conditions:	The app knows the path to the resume in order to edit it in the future.
Frequency of Use:	Whenever the user has to update their resume.
Flow of Events:	Actor Action 1. Open the App. 2. Click on the load resume button. 3. Find the file on the disk. 4. Click on the file.
Flow of Events:	System Response 1. Application reads in file. 2. Application pre-populates fields with information.
Variations:	
Exceptions:	
Developer Notes:	

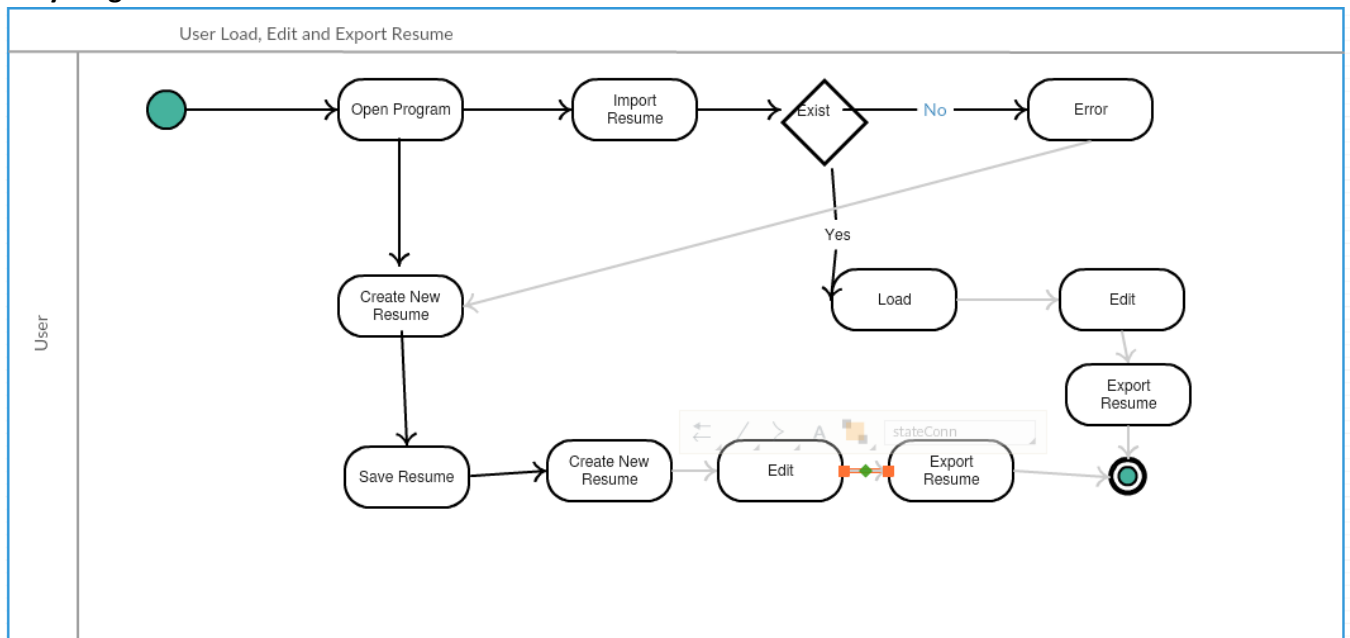
Use Case ID:	UC-04
Use Case Name:	Modify User Information
Description:	The user can change their information that appears on the resume.
Actors:	User
Pre- conditions:	The user must open the application
Post- conditions:	The resume displays the changes.
Frequency of Use:	Every time the user edits an existing resume
Flow of Events:	<ol style="list-style-type: none"> 1. User opens the application 2. User clicks 'edit resume'. 3. User edits their information.
Flow of Events:	System Response <ol style="list-style-type: none"> 1. Application updates the user's information.
Variations:	
Exceptions:	The user must not enter empty strings, or too long strings.
Developer Notes:	

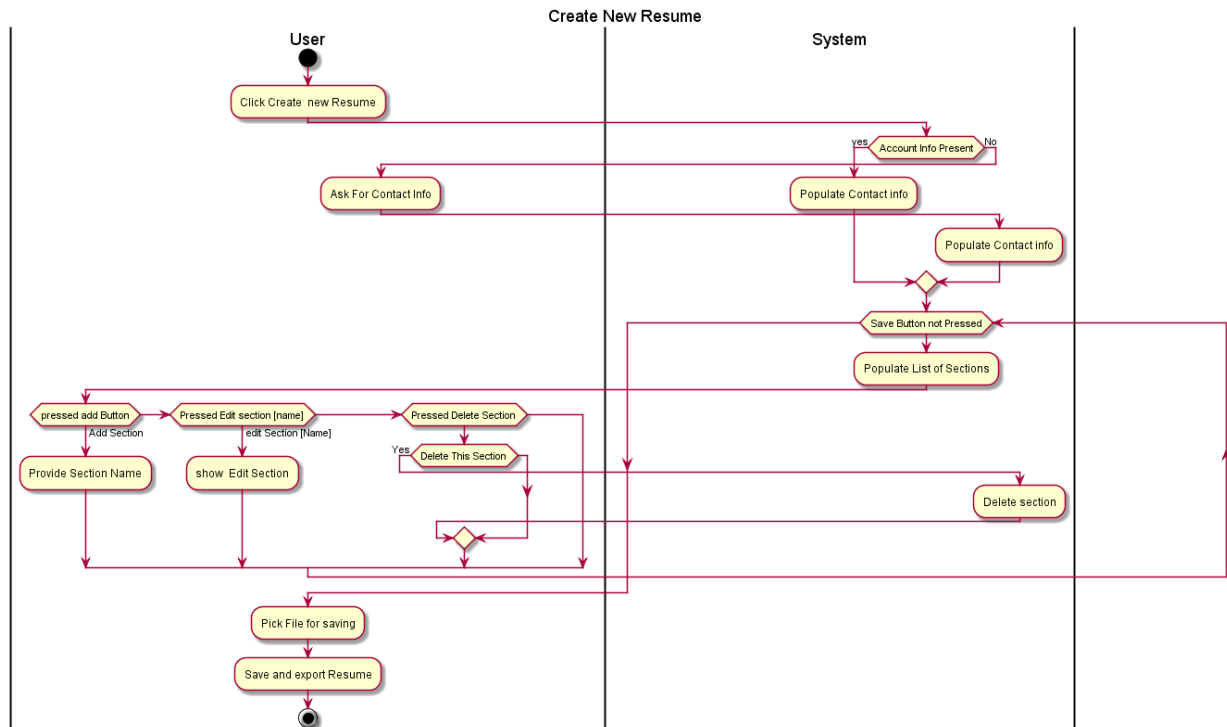
Use Case ID:	UC-05
Use Case Name:	Generate Resume
Description:	On completion, the application will generate an attractive resume given the user's input in the GUI.
Actors:	User, Application
Pre- conditions:	The user must have included all their relevant information into the GUI.
Post- conditions:	The User receives a resume with all their included information.
Frequency of Use:	Whenever a resume is needed.
Flow of Events:	Actor Action <ol style="list-style-type: none"> 1. Open Application 2. Input all information into the GUI. 3. Click complete button.

Flow of Events:	System Response 1. Show GUI on screen. 2. Run code and export resume to file.
Variations:	
Exceptions:	If user has made an error in the GUI, throw an error.
Developer Notes:	

Use Case ID:	UC-06
Use Case Name:	Add Fields
Description:	The user can add fields, such as: volunteer experience to the resume generator.
Actors:	User
Pre- conditions:	User must open application and click “add field” button
Post- conditions:	The new field will be included on the resume.
Frequency of Use:	Whenever the user creates or edits a resume.
Flow of Events:	Actor Action 1. User opens application. 2. User Clicks on “Add new field” button 3. User Inputs field name
Flow of Events:	System Response 1. Application adds new field to GUI 2. Application includes and scales new text onto the resume.
Variations:	
Exceptions:	If the included section is too large, throw an error.
Developer Notes:	

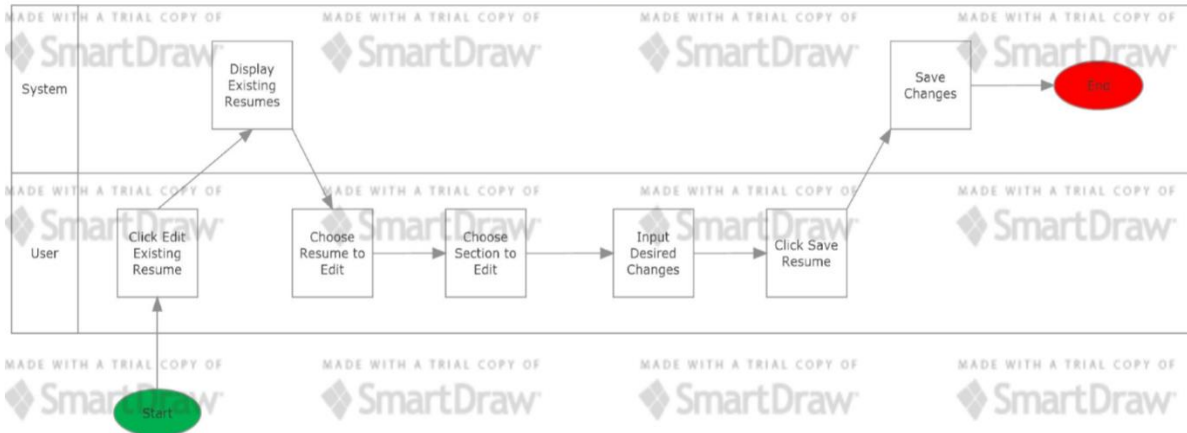
Activity Diagrams:





Tyler Cook

Requirements ID: UR-007 Use Case ID: UC-03 Use Case: Edit Existing Resume



UI Mockup:

[main screen]

Create a resume

Edit on existing Resume

Modify Personal Info

[Create/Edit View]

Resume Title

☒ Name

☒ Address

☒ Phone#

☒ Email

☒ University Attended

☒ Graduation Date (mm/yyyy)

☒ Major(s)

☒ Technical Skills

☒ Job

Job Company Name

Job start Date (mm/yyyy)

Job end date (mm/yyyy)

Job Description

☒ Project

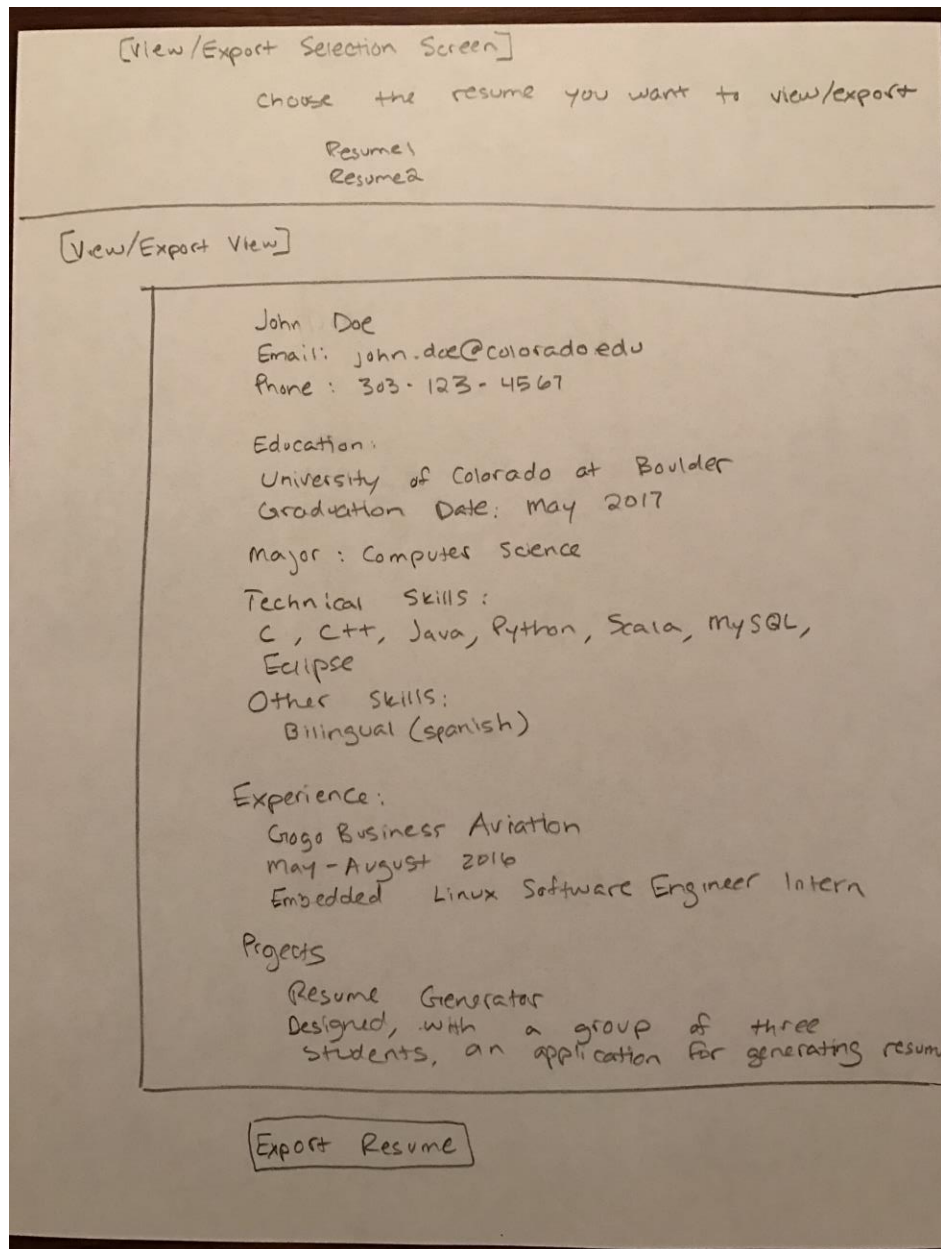
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Project Description

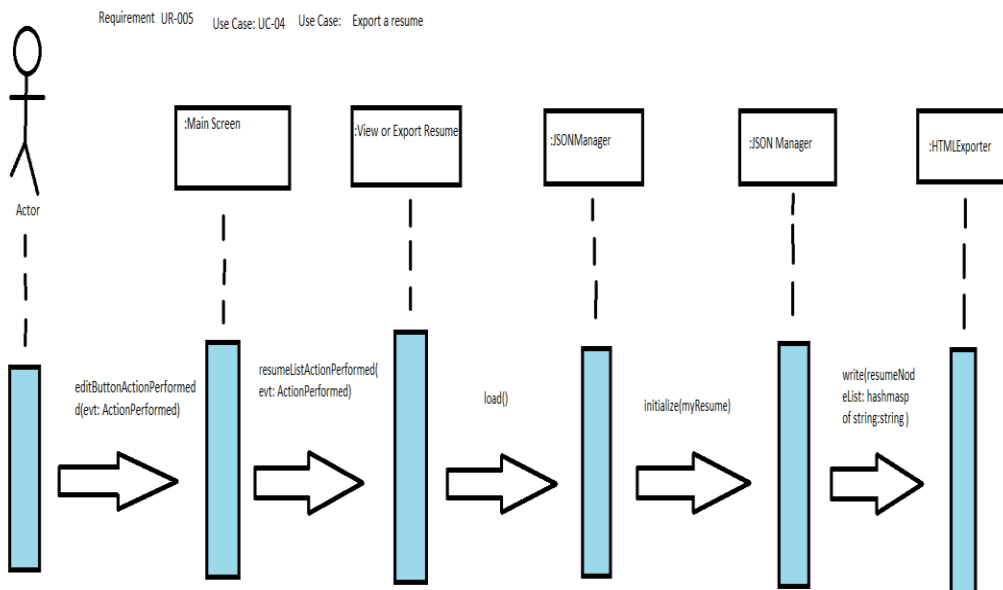
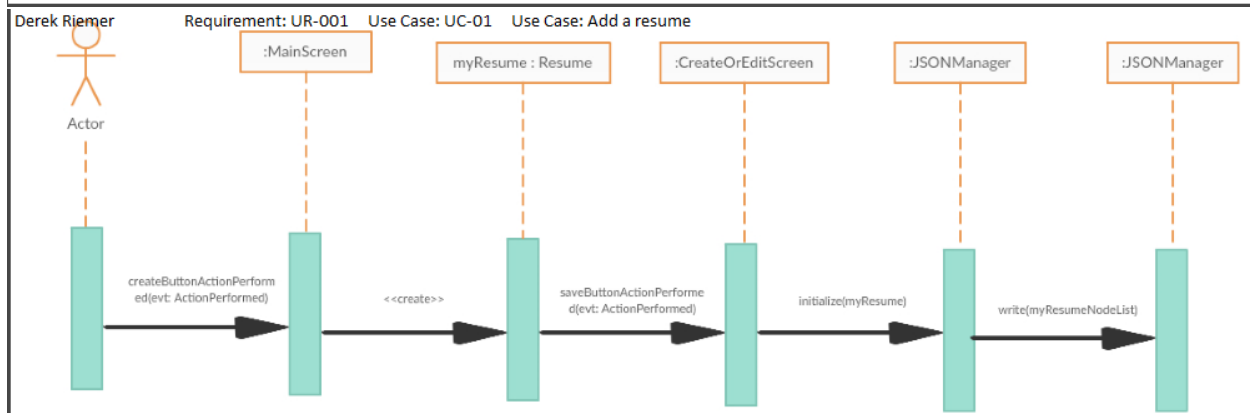
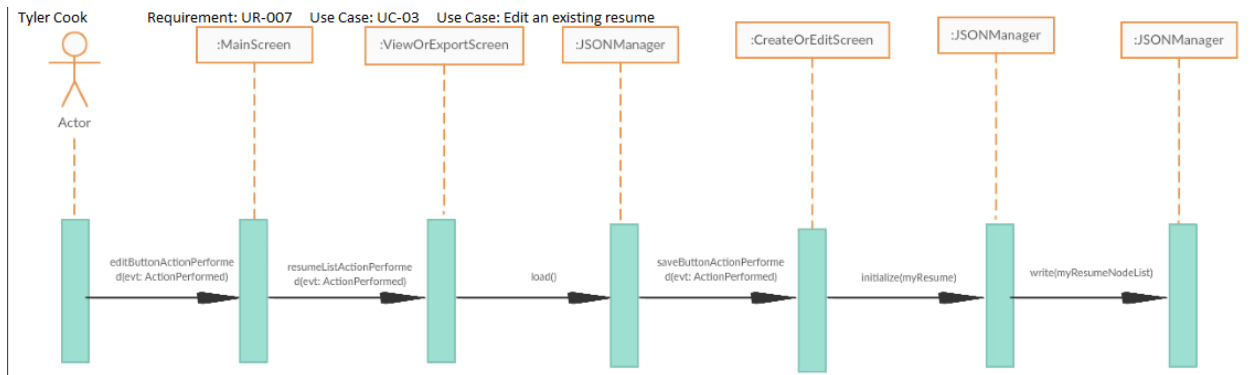
Save

Export

Add Section



Sequence Diagrams:



Class Diagram

