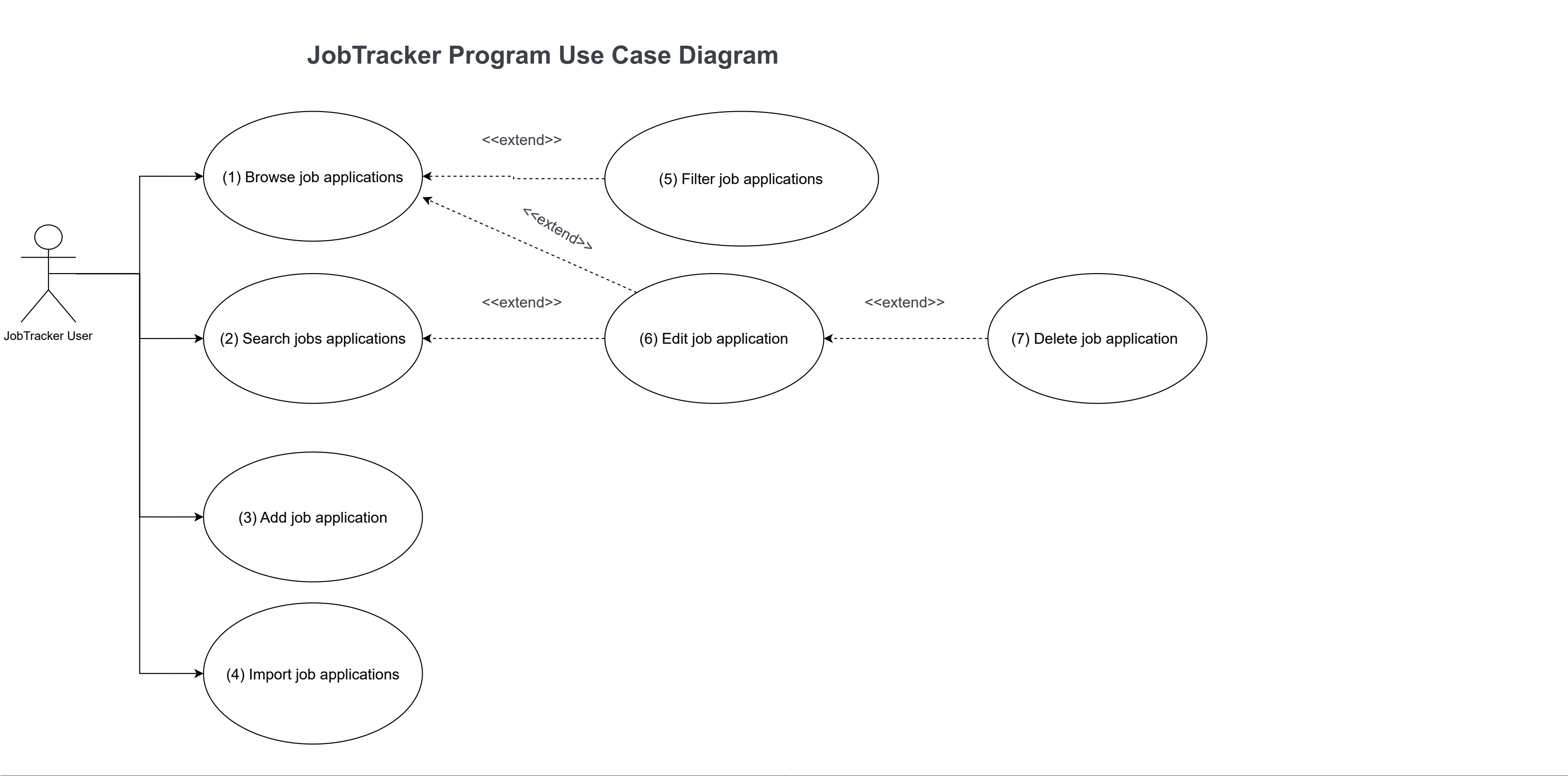


JobTracker Program Use Case Diagram

```
graph LR; User[JobTracker User] --> UC1((1) Browse job applications); User --> UC2((2) Search jobs applications); User --> UC3((3) Add job application); User --> UC4((4) Import job applications); UC5((5) Filter job applications) -.->|<<extend>>| UC1; UC6((6) Edit job application) -.->|<<extend>>| UC1; UC6 -.->|<<extend>>| UC2; UC7((7) Delete job application) -.->|<<extend>>| UC6;
```

The diagram illustrates the use cases for the JobTracker Program. A single actor, the JobTracker User, is connected to four primary use cases: (1) Browse job applications, (2) Search jobs applications, (3) Add job application, and (4) Import job applications. Additionally, there are three extended use cases: (5) Filter job applications, (6) Edit job application, and (7) Delete job application. These are connected to the primary use cases via dashed arrows labeled <<extend>>. Specifically, (5) extends (1), (6) extends (1) and (2), and (7) extends (6).



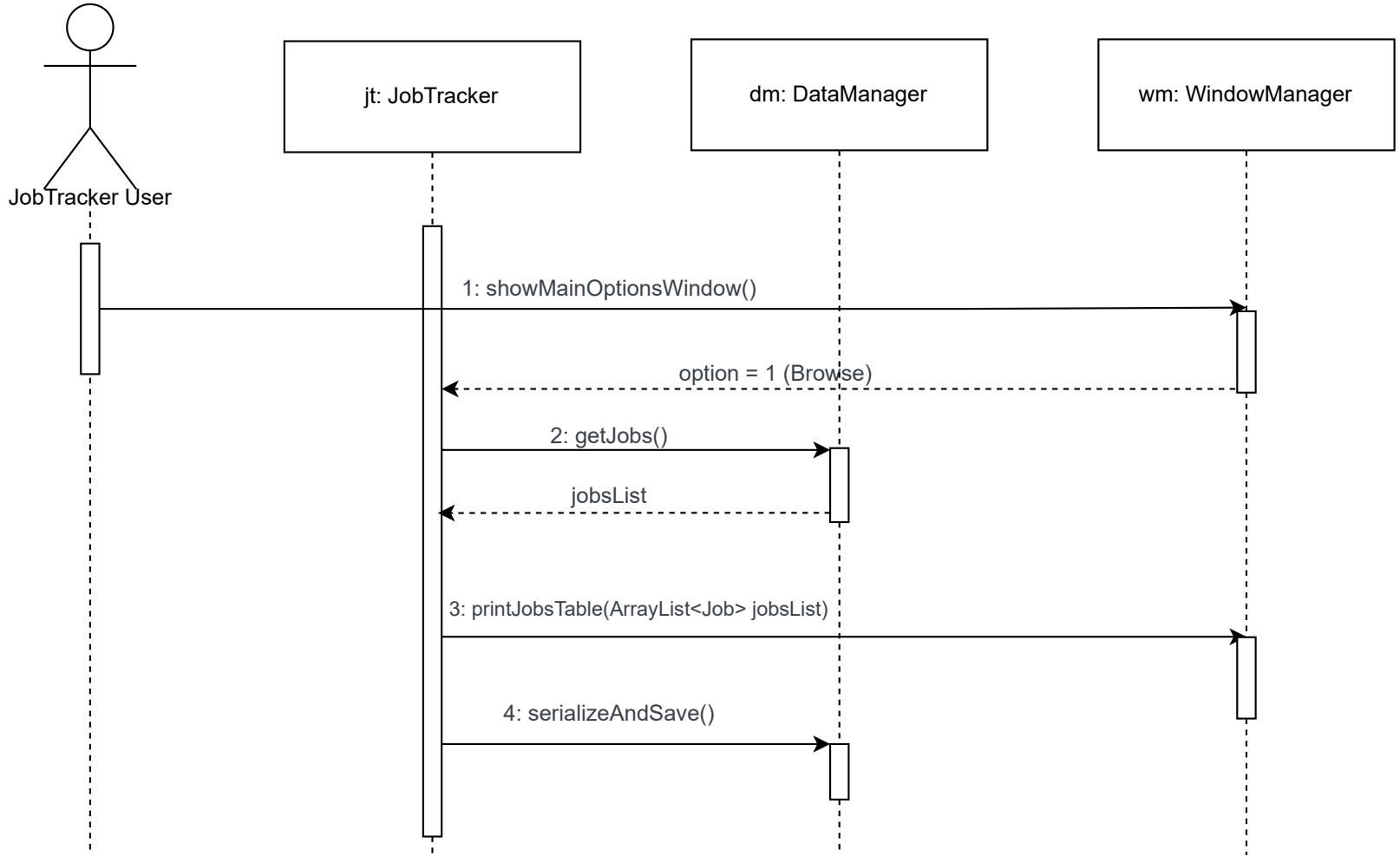
JobTracker Program Use Case Diagram

```
graph LR; User((JobTracker User)) --> UC1((1) Browse job applications); User --> UC2((2) Search jobs applications); User --> UC3((3) Add job application); User --> UC4((4) Import job applications); UC5((5) Filter job applications) -.->|<<extend>>| UC1; UC6((6) Edit job application) -.->|<<extend>>| UC1; UC6 -.->|<<extend>>| UC2; UC7((7) Delete job application) -.->|<<extend>>| UC6;
```

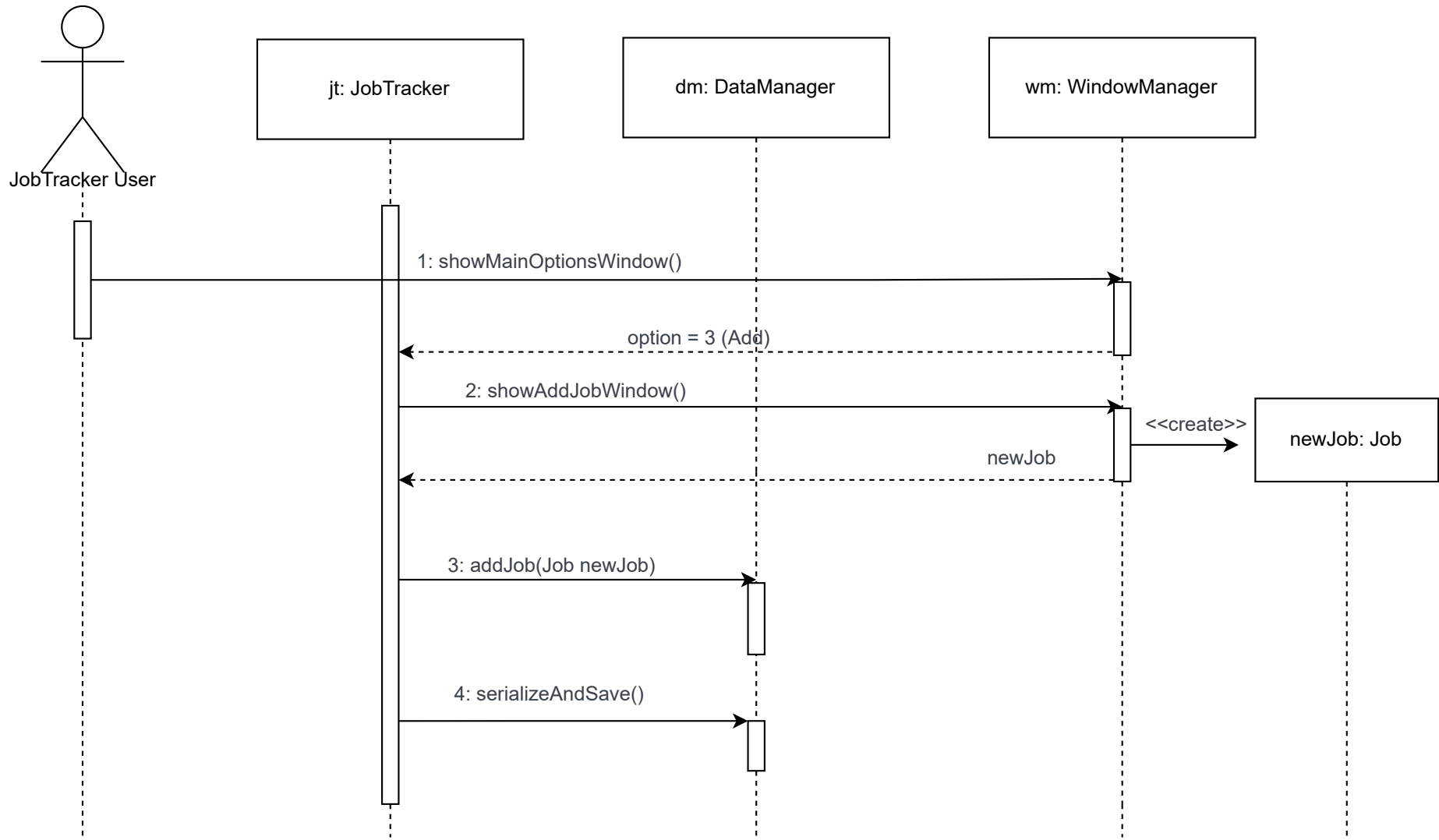
The diagram illustrates the JobTracker program's use cases and their relationships. A single actor, "JobTracker User," interacts with four primary use cases: (1) Browse job applications, (2) Search jobs applications, (3) Add job application, and (4) Import job applications. Additionally, there are three more use cases: (5) Filter job applications, (6) Edit job application, and (7) Delete job application. These latter three use cases are related to the first two through extension relationships: (5) extends (1), (6) extends both (1) and (2), and (7) extends (6). The relationships are indicated by dashed arrows labeled with the stereotype <<extend>>.

UC: Browse job applications (Ref # 1)		UC: Search job applications (Ref # 2)	
Overview	The user can look and peruse through all of their job applications within the tracker program	Overview	The user can search by company, location, or role to find the job applications they are querying for.
Related use cases (if any):	- Extended by (5. Filter job applications) since the user can filter all of the job applications within the browse by a desired status - Extended by (6. Edit job application) because you can choose the job that you want to edit (or possibly delete) only after looking through them first	Related use cases (if any):	- Extended by (6. Edit job application) because you can choose the job that you want to edit (or possibly delete) only after looking through them first
Actors	"JobTracker" program user	Actors	"JobTracker" program user
Pre Conditions (Optional)	-----	Pre Conditions (Optional)	-----
Post Conditions (Optional)	-----	Post Conditions (Optional)	-----
UC: Add job application (Ref # 3)		UC: Import job applications (Ref # 4)	
Overview	The user can add a new job application to the program in order to track it for the future	Overview	The user can import a list of job applications into the program from a .csv file
Related use cases (if any):	-----	Related use cases (if any):	-----
Actors	"JobTracker" program user	Actors	"JobTracker" program user
Pre Conditions (Optional)	-----	Pre Conditions (Optional)	The directory contains a .csv file with the inputted file name
Post Conditions (Optional)	Job tracker now contains the new job application to track with the inputted information	Post Conditions (Optional)	Job tracker now contains all the job applications that were listed in the .csv file
UC: Filter job applications (Ref # 5)		UC: Edit job application (Ref # 6)	
Overview	The user can filter out the job applications with a desired status out of all the applications tracked with the system	Overview	The user can edit a tracked job application in order to update its information with the program
Related use cases (if any):	- Extends (1. Browse job applications) because a user can only filter out their desired applications if they are first browsing them	Related use cases (if any):	- Extends (2. Search job applications) because editing a job application (or deleting it) becomes an option after only after looking through them first - Extended by (7. Delete job application) since the user only has the option to delete a tracked job application after they choose to edit it
Actors	"JobTracker" program user	Actors	"JobTracker" program user
Pre Conditions (Optional)	-----	Pre Conditions (Optional)	-----
Post Conditions (Optional)	-----	Post Conditions (Optional)	Selected tracked job application now has updated information
UC: Delete job application (Ref # 7)			
Overview	The user can choose to delete a tracked job application from the system		
Related use cases (if any):	- Extends (6. Edit job application) because the user only has the option to delete a tracked job application after they choose to edit it		
Actors	"JobTracker" program user		
Pre Conditions (Optional)	-----		
Post Conditions (Optional)	Selected tracked job application is now deleted from the system		

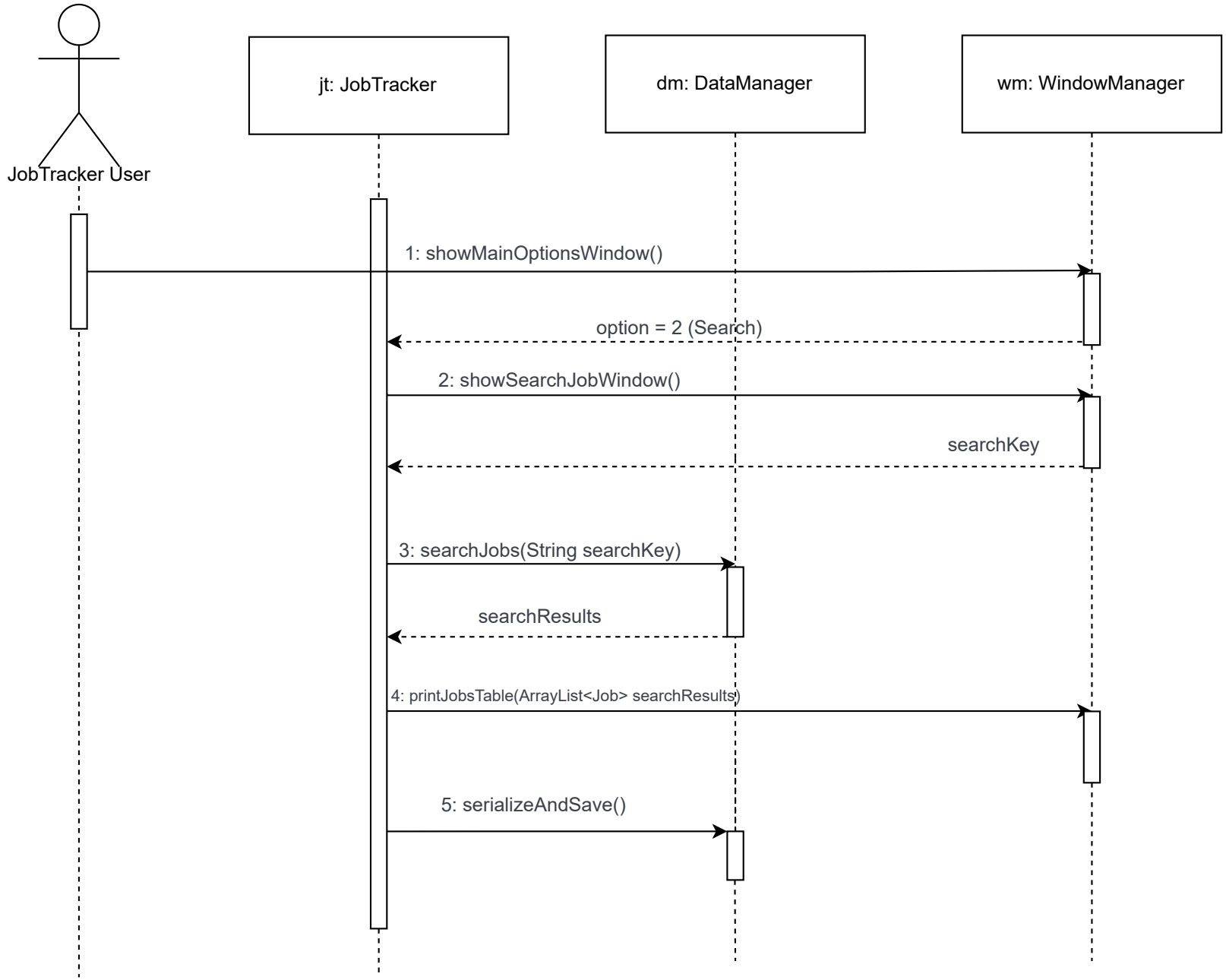
JobTracker Program Sequence Diagram: Browse



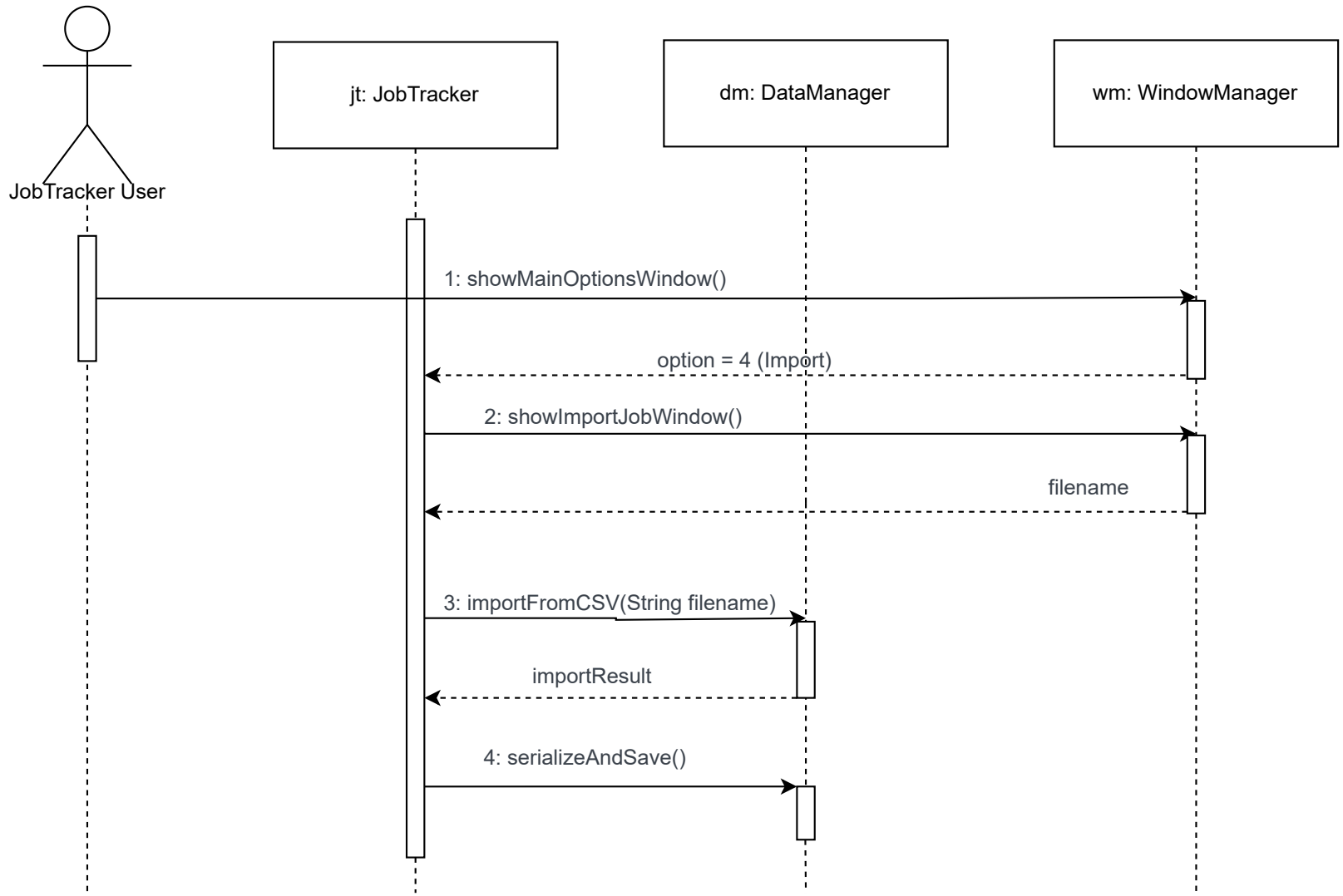
JobTracker Program Sequence Diagram: Add



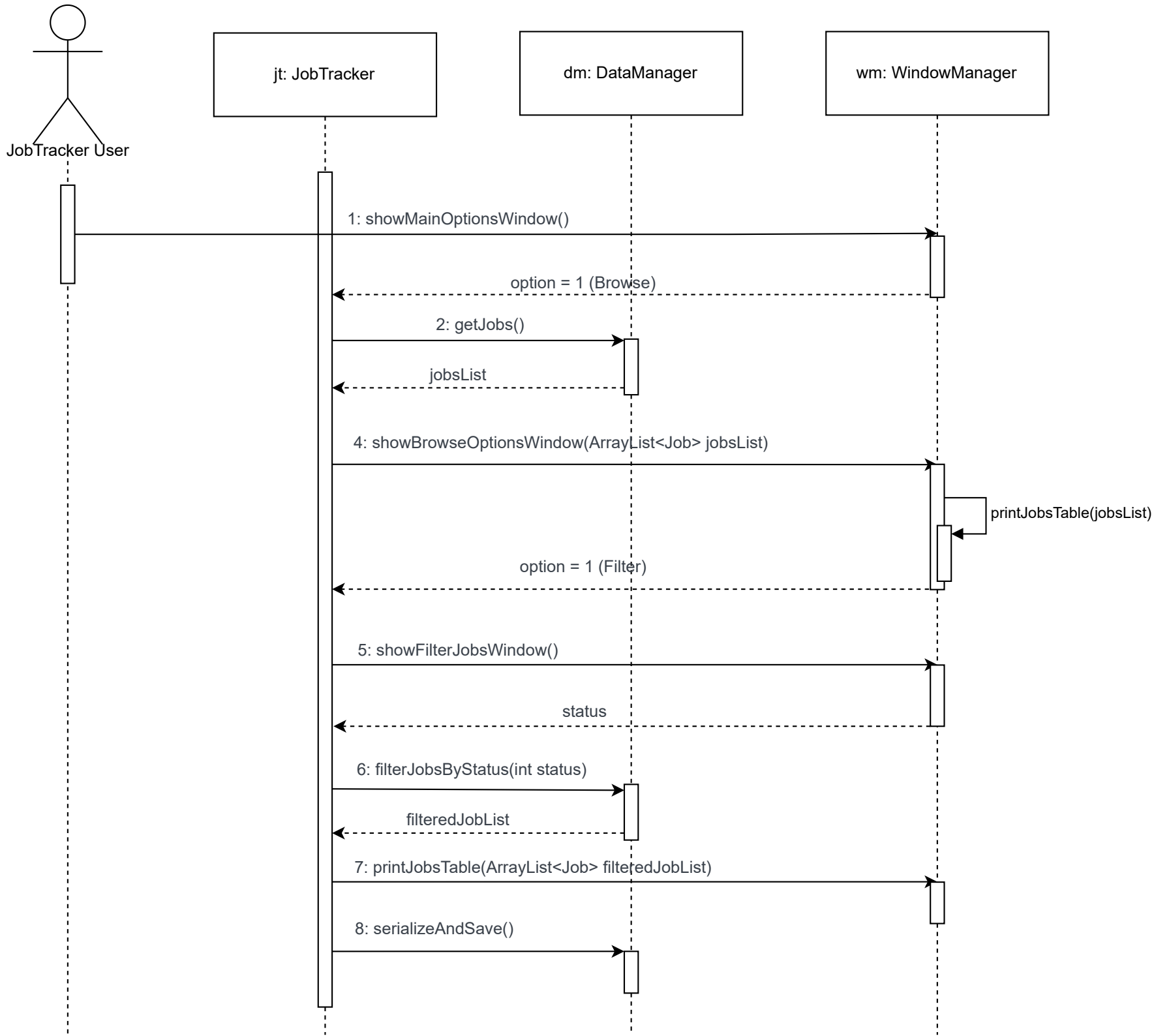
JobTracker Program Sequence Diagram: Search



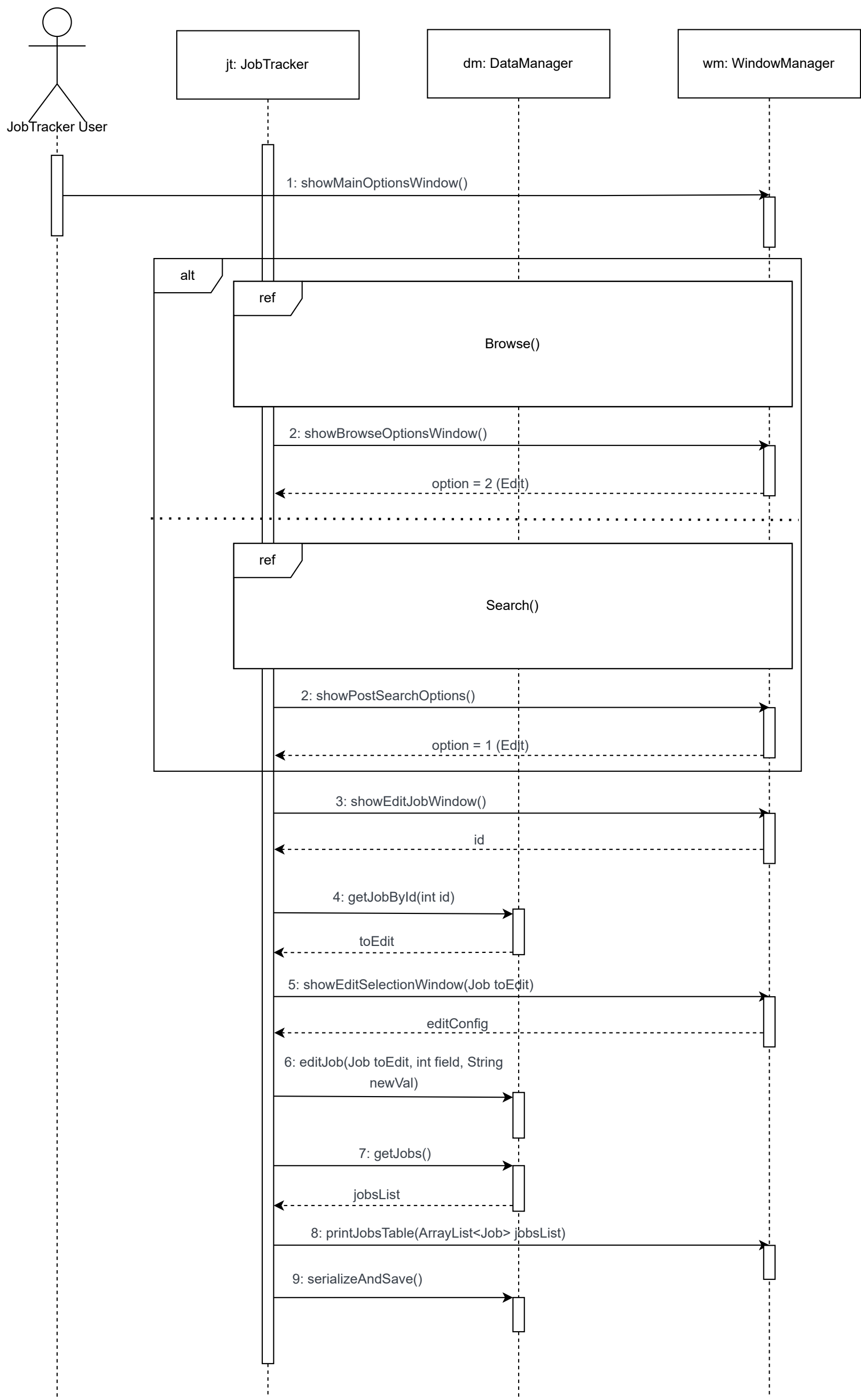
JobTracker Program Sequence Diagram: Import



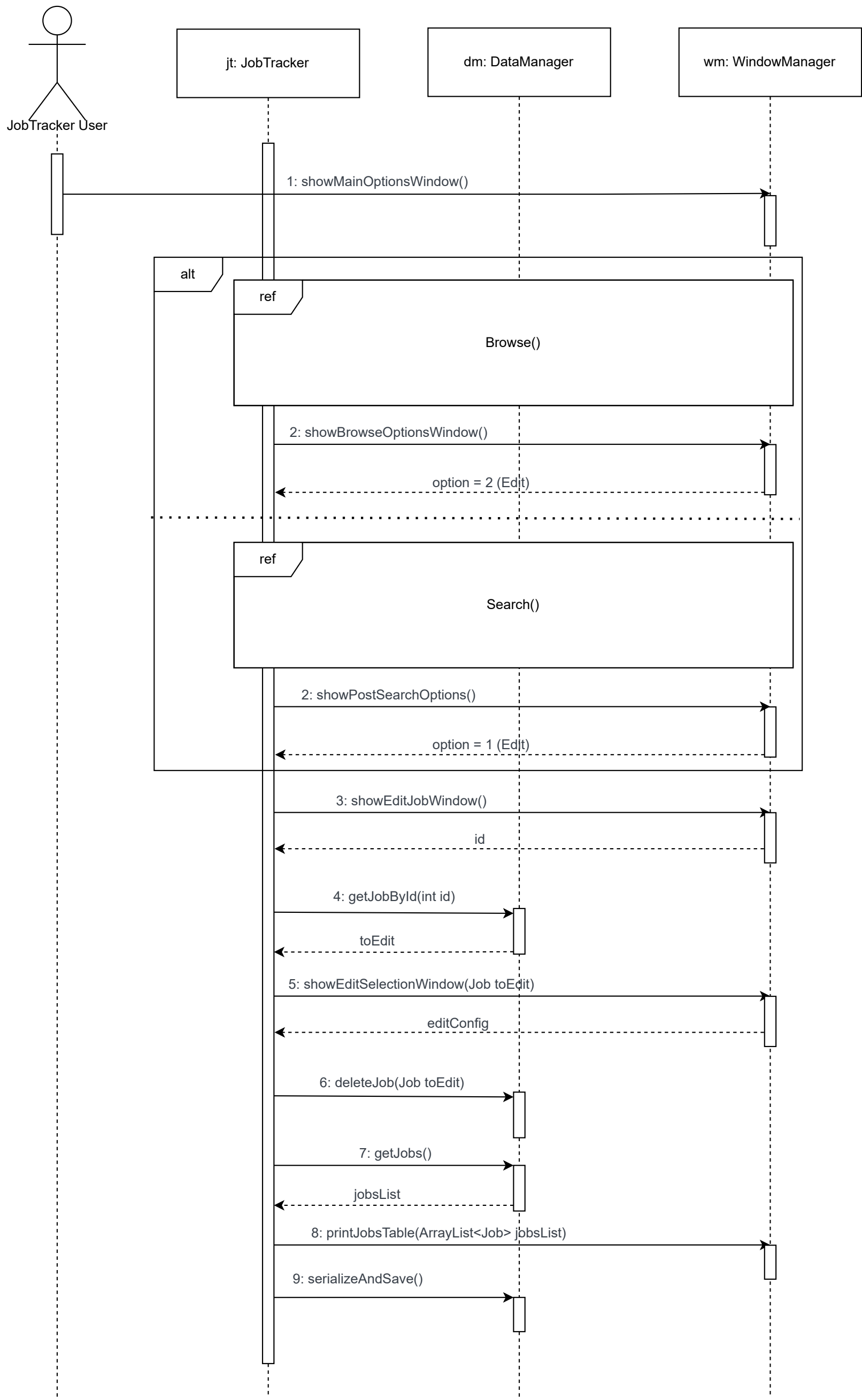
JobTracker Program Sequence Diagram: Filter



JobTracker Program Sequence Diagram: Edit



JobTracker Program Sequence Diagram: Delete



JobTracker Program Class Diagram

