activitate: vector:

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| Activitate |
| +\_\_titlu: string |
| +\_\_descriere: string |
| +\_\_tip: string |
| +\_\_durata: int |
| +get\_titlu(): string |
| +get\_durata: int |
| +get\_tip(): string |
| +get\_descriere(): string |
| +set\_titlu(string): void |
| +set\_durata(int): void |
| +set\_tip(string): void |
| +set\_descriere(string): void |
| +operator==(Activitate): bool |
| +str(): string |

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| VectorDinamic |
| +\_\_elems: TElem\* |
| +\_\_n: int |
| +\_\_cp: int |
| +\_\_resize(): void |
| +size(): int |
| +clear(): void |
| +push\_back (TElem): void |
| +operator[](int): TElem& |
| +begin(): int |
| +erase (int): void |
| +operator= (VectorDinamic&): void |

repo: Service:

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| Repository |
| +\_\_lista: VectorDinamic<Activitate> |
| +get\_all(): VectorDinamic<Activitate> |
| +adauga(Activitate): void |
| +sterge(Activitate): void |
| +cauta(string): Activitate |
| +get\_dim(): int |
| +str(): string |

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| Service |
| +\_\_repo: Repository |
| +adauga\_srv(string,string,string,int): Activitate |
| +sterge\_srv(string): Activitate |
| +modifica\_srv(string,string,string,int): Activitate |
| +get\_size(): int |
| +str(): string |
| +filtrare\_descriere(string): Repository |
| +filtrare\_tip(string): Repository |
| + sortare\_generala (bool(Activitate,Activitate)):Repository |
| + sortare\_titlu ():Repository |
| + sortare\_descriere ():Repository |
| + sorteaza\_tip\_durata ():Repository |
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UI:

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| Console |
| +\_\_srv: Service | main |
| +\_\_adauga\_ui (): void | +test\_all(): void |
| +\_\_sterge\_ui (): void | +main(): int |
| +\_\_modifica\_ui (): void |
| +\_\_de\_afisat (): string |
| +\_\_print\_menu (): void |
| +\_\_str\_ui (): void |
| +\_\_cauta\_ui (): void |
| +\_\_filtrare\_ui (): void |
| +\_\_sortare\_ui (): void |
| +\_\_run (): void |
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