```
"initialStorage":
  {"shoeType": "< shoe_1 >", "amount": < amount_1 >},
 {"shoeType": "< shoe_2 >", "amount": < amount_2 >},
 {"shoeType": "< shoe_n >", "amount": < amount_n >}
],
"services":
  "time": {"speed": <speed>, "duration": <duration>},
  "manager":
   "discountSchedule":
    {"shoeType": "<d_shoe<sub>1</sub>>","amount": <d_amount<sub>1</sub>>,"tick": <tick<sub>1</sub>>},
    {"shoeType": "< d\_shoe_2 >", "amount": < d\_amount_2 >, "tick": < tick_2 >},
    \{"shoeType": "<\!d\_shoe_m\!>", "amount": <\!d\_amount_m\!>, "tick": <\!tick_m\!>\}
  "factories": <num_of_factories>
  "sellers": <num of sellers>,
  "customers":
    "name": "<name<sub>1</sub>>",
    "wishList": ["<w\_shoe_{1_1}>", "< w\_shoe_{1_2}>",...,"< w\_shoe_{1_{k_1}}>"],
     "purchaseSchedule":
      \label{eq:continuity} \mbox{\tt ("shoeType": "$<$p_shoe_{1_1}$>", "tick": $<$P_tick_{1_1}$>$},
      {"shoeType": "< p\_shoe_{1_2} >", "tick": < P\_tick_{1_2} >},
      },
     "name": "<name2>",
    "wishList": ["<w_shoe_{2_1}>", "<w_shoe_{2_2}>",...,"<w_shoe_{2_{k_2}}>"],
     "purchaseSchedule":
       \hbox{\tt ("shoeType": "$<$p_shoe_{2_1}$>", "tick": $<$P_tick_{2_1}$>$}, \\
      {"shoeType": "< p\_shoe_{2_2} >", "tick": < P\_tick_{2_2} >},
      \{\text{``shoeType'': ''} < p\_shoe_{2_{q_2}} > \text{'', '`tick'': } < P\_tick_{2_{q_2}} > \}
```